Land Reclamation Report

Prometheus Frac Line

Section 27, Township 24 South, Range 35 East

County: Lea

Vertex File Number: 23E-03329

Incident ID: nAPP2226241849

NMSLO Lease Number: VB17430001 & LG41370001

Prepared for:

Ace Fluid Solutions

Prepared by:

Vertex Resource Services Inc.

Date:

June 2025

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Land Reclamation Report
Prometheus Frac Line
Section 27, Township 24 South, Range 35 East
County: Lea
Incident Number: nAPP2226241849

Prepared for:
Ace Fluid Solutions
129 Solo Road
Odessa, Texas 79762

New Mexico Oil Conservation Division – District 1 – Hobbs
1625 N. French Drive
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Prepared by:
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Andrew Ludvik — 6/10/2025

Andrew Ludvik, B.Sc. — Date
ENVIRONMENTAL TECHNICIAN, REPORTING

Chance Dixon — 6/10/2025

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

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Executive Summary

Ace Fluid Solutions retained Vertex Resource Services Inc. to complete seeding and Land Reclamation procedures for Prometheus Frac Line (Incident ID: nAPP2226241849) located on state land in Section 27, Township 24 South and Range 35 East at the Prometheus Frac line (hereafter referred to as "site") immediately after remedial/backfill activities were completed. Seeding was completed on May 10, 2024. This document provides a description of the site, summary of the previous environmental work and details of the Land Reclamation. The site is located on state land at 32.19560, -103.574664. The site is surrounded by native range that is used for grazing on all sides. The area is largely dominated by grasses, mesquite, snakeweed and sand sage. The area surrounding the site contains similar oil and gas pads or facilities that are common in the Permian Basin.

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1.0 Introduction

It is the intent of this reclamation report is to provide documentation for the reclaimed release area that met New Mexico Oil Conservation Division (NMOCD) and New Mexico State Land Office (NMSLO) standards. This report fulfills the requirements listed under sections of *Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development: The Gold Book* (U.S. Department of the Interior and U.S. Department of Agriculture, 2007). Site visits were conducted on May 9 and 10, 2024 and May 19, 2025. This document provides a description of the site, summary of the previous environmental reclamation/restoration work, and the details of the Land Reclamation.

2.0 Background

2.1 Site Description

The site is located approximately 23 miles west-northwest of Jal, New Mexico. The legal notation for the site is Section 27, Township 24 South, Range 35 East in Lea County, New Mexico and is located on New Mexico State Trust land. The surrounding landscape is associated with plains with elevations ranging between 3,000 and 3,900 feet. The site is mostly level and located in Pastureland. An aerial photograph of the site is included in Appendix A.

2.2 Ecological Setting

The site is situated in the Chihuahuan Desert Grasslands Ecoregion (Griffith et al., 2006). This ecoregion is characterized as including the following natural vegetation: black grama (*Bouteloua eriopoda* Torr.), dropseeds (*Sporobolus flexuosus, S. contractus, S. cryptandrus*), bluestems (*Schizachyrium scoparium* and *Andropogon hallii*) with scattered shinnery oak (*Quercus havardii*) and sand sage (*Artemisia filifolia*). Black grama dominate the historical plant community (United States Department of Agriculture, Natural Resources Conservation Service, 2023). Mean annual air temperature is 60 to 62 °F. Mean annual precipitation is between 10 to 12 inches and the frost-free period averages 190 to 205 days. The site is within the 1w43 National Map Unit and the soil type at the site (Pyote and Maljamar) is classified as “Not prime farmland”. The predominant soil texture on the site is Loamy fine sands, Pyote and Maljamar fine sands. The full Soil Resource Report is included in Appendix D. Land use in the area is predominantly for grazing livestock.

3.0 Land Reclamation

The Land Reclamation for the site (surface reclamation) is detailed below. This section outlines the principles that were used during the surface reclamation phase for the site. A site schematic that outlines the reclamation areas is included in Appendix A. Daily Site Visit Reports detailing seeding are provided in Appendix C and the NMSLO Seed Mixture Application is included in Appendix D.

3.1 Site evaluation

The land use surrounding the site is defined as natural; therefore, the end land use would be natural land. A natural area is described as: away from human habitation and activities, where the primary concern is the protection of ecological receptors. The site will be reclaimed so that the capability of the land will match that of the areas immediately surrounding the site, which consists of rangeland. The area around the release is undisturbed pastureland native to sandy loamy areas. Currently, the site consists of a level area. No site contouring was necessary.

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3.1.1 Release Area and Reclamation

Remediation of the reportable release began on June 12, 2023, and was finalized on January 19, 2024. The Remediation Closure Report was approved by NMOCD on March 01, 2024. Site and sample location maps are included in Appendix A. Surface reclamation included determination of background topsoil depth as the site conditions are required to meet pre-existing conditions. Reclamation of the location was completed after backfilling operations. A clean, locally sourced topsoil was imported to the site to backfill the excavation. Analytical results of the samples collected from the backfill source are included in Appendix B. Laboratory Data Reports and Chain of Custody Forms are included in Appendix F.

3.2 Erosion Control

There are currently no erosion concerns on-site, and the use of erosion control devices at this location is not anticipated; however, erosion control devices will be installed at the discretion of the on-site environmental inspector.

3.3 Revegetation

3.3.1 Seeding

A seed mix suitable for loamy soils chosen by NMSLO was applied at appropriate rates at the site and surrounding areas. Seeding was conducted via hand broadcasting, and hand-raking seeds to be embedded into the soil at double the application rate. The seeding was completed on May 10, 2024. A copy of the SLO seed mixture is included in Appendix C.

3.3.2 Reclamation Standards

Reclamation success will meet requirements outlined in Chapter 6 of The Gold Book (U.S. Department of the Interior and U.S. Department of Agriculture, 2007) which states that “a self-sustaining, vigorous, diverse, native (or otherwise approved) plant community is established on site, with a density sufficient to control erosion and non-native plant invasion and to re-establish wildlife habitat or forage production”.

3.4 Weed Management

The site has been monitored for vegetative growth throughout all phases of the project. It has been verified that the site has established more than 70% coverage of background vegetation rates with no noxious or troublesome weeds be identified on-site.

4.0 Monitoring

Inspections were conducted every 90 days, during the growing season, to monitor site progression and assess the need for additional best management practices (BMPs) until the site reached the desired 70% coverage as per 19.15.29.13 *New Mexico Administrative Code* (NMAC). Final inspection including photographs of the site is included in Appendix C.

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5.0 Final Assessment and Closure Request

Vertex recommends no additional action to address the now reclaimed area. There are no anticipated risks to human, ecological, or hydrological receptors at the site. The site has been reclaimed, contoured, and seeded with the appropriate NMSLO seed mix for loamy soils and has successfully revegetated.

Vertex respectfully requests that this reclamation/revegetation report for the approved remedial area be approved as all closure requirements outlined in 19.15.29.13 NMAC have been met. Ace Fluid Solutions certifies that all information in this report and the appendices are correct and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD and NMSLO requirements.

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

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6.0 References

Griffith, G.E., Omernik, J.M., McGraw, M.M., Jacobi, G.Z., Canavan, C.M., Schrader, T.S., Mercer, D., Hill, R., and Moran, B.C. (2006). *Ecoregions of New Mexico.* Available at: https://www.epa.gov/eco-research/ecoregion-download-files-state-region-6#pane-29

United States Department of Agriculture, Natural Resources Conservation Service. (2023). *Web Soil Survey*. Retrieved from https://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

U.S. Department of the Interior and U.S. Department of Agriculture. (2007). *Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development: The Gold Book.* Fourth edition. Available at: https://www.blm.gov/sites/blm.gov/files/Gold%20Book%202007%20Revised.pdf

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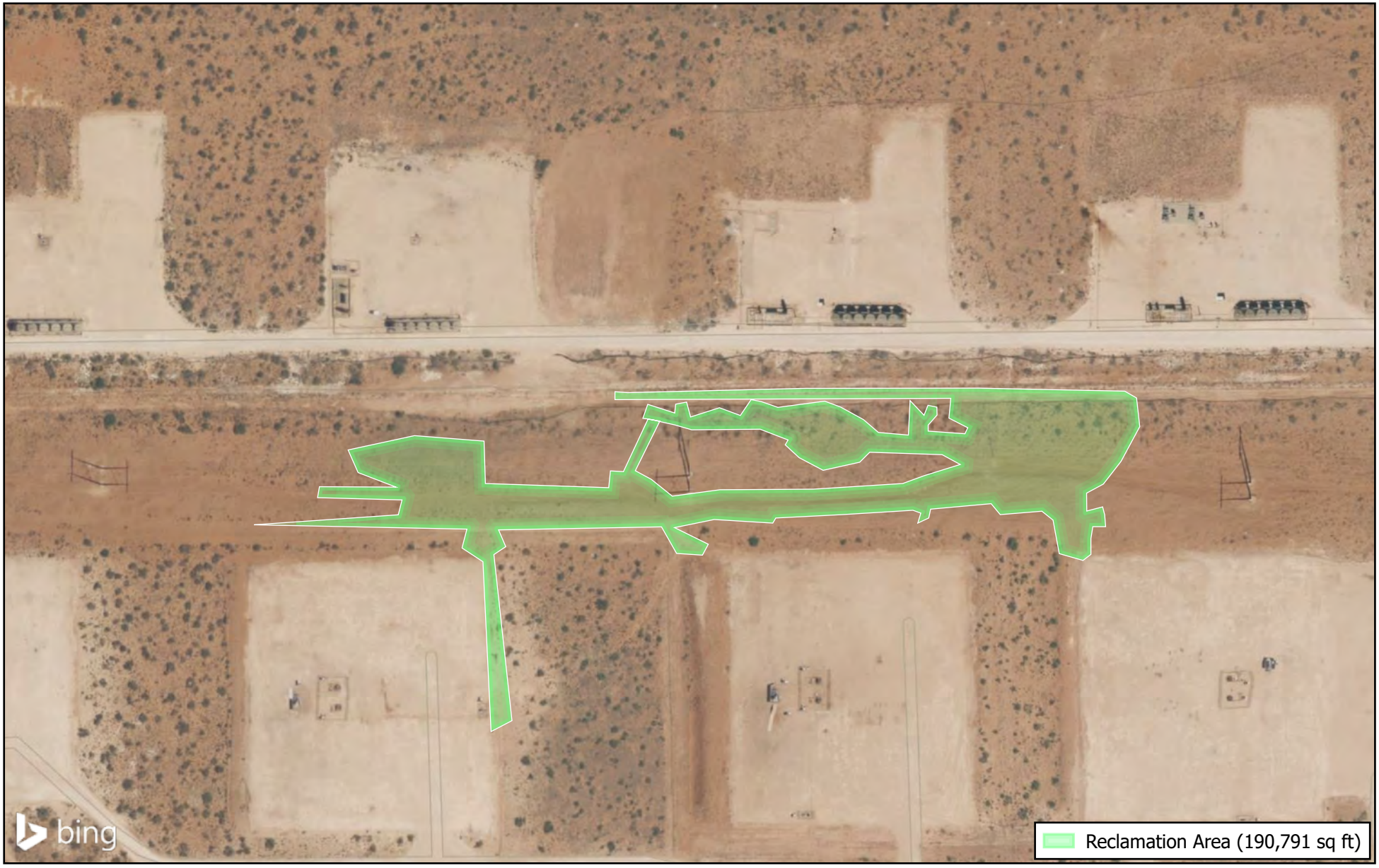
7.0 Limitations

This report has been prepared for the sole benefit of Ace Fluid Solutions. This document may not be used by any other person or entity, with the exception of the New Mexico Oil Conservation Division, Bureau of Land Management and New Mexico State Land Office, without the express written consent of Vertex Resource Services Inc. (Vertex) and Ace Fluid Solutions. Any use of this report by a third party, or any reliance on decisions made based on it, or damage 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.

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APPENDIX A – Reclamation Site and Confirmatory Sampling Site Schematics



VERTEX

0 150 300 ft

NAD 1983 StatePlane New Mexico East FIPS 3001 Feet

Map Center:
Lat/Long: 32.195524°N, 103.576902°W

Date: May 22/25

N

Reclamation Area Schematic
Prometheus Frac Line

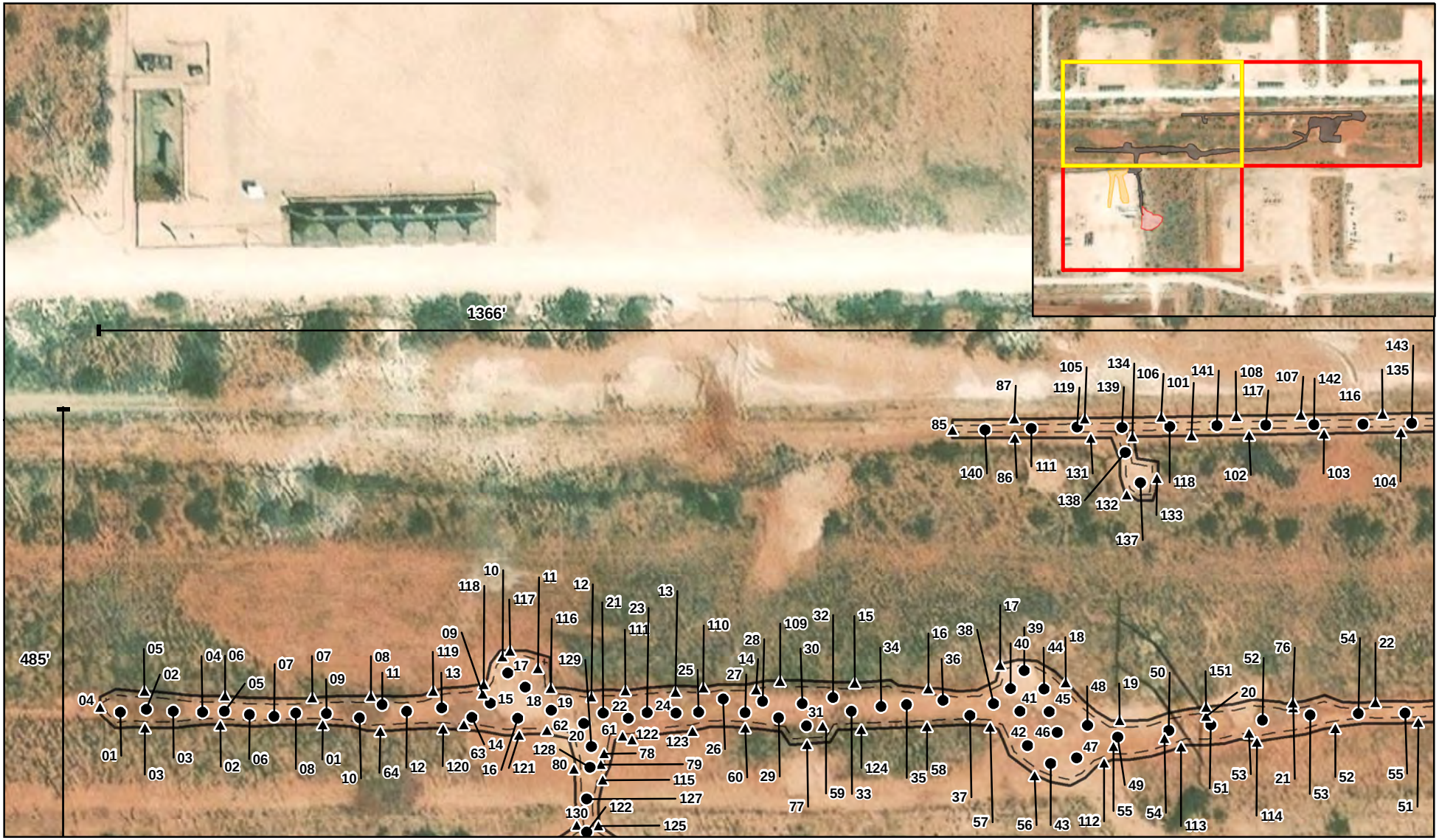
FIGURE:
1

ACE FLUID SOLUTIONS

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Note: Georeferenced image from Esri, 2025. Site features from GPS, Vertex, 2025.

VERSATILITY. EXPERTISE.



● Base Sample (Excavated) ▲ Wall Sample (Excavated) Excavation (~55,998 sq. ft,)

VERTEX

0 25 50 100 ft

NAD 1983 UTM Zone 13N

Date: Jan 22/24

N

Confirmatory Sampling Site Schematic
Prometheus Frac Line

FIGURE:

3a

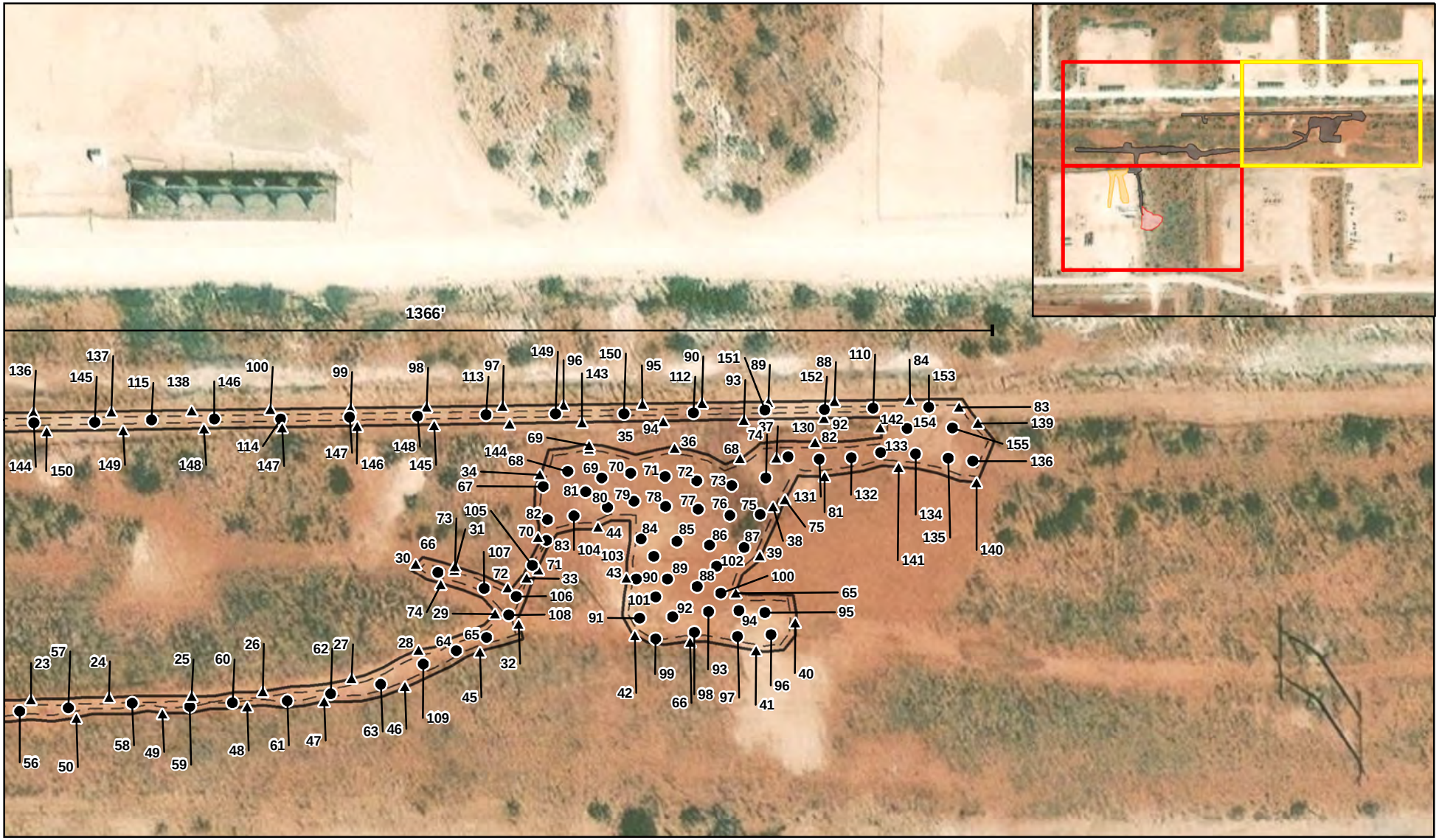
ACE FLUID SOLUTIONS

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Note: Georeferenced image from Esri,2022. Site features from GPS by Vertex Professional Services Ltd., 2024.

VERSATILITY. EXPERTISE.

Document Path: D:\Vertex\GeoRequests\23E-03329 - Ace Fluid\Figure 3 Excavation Progress 20240118 (23E-03329)ID17655.mxd



● Base Sample (Excavated) ▲ Wall Sample (Excavated) Excavation (~55,998 sq. ft,)

VERTEX

0 25 50 100 ft

NAD 1983 UTM Zone 13N

Date: Jan 22/24

N

Confirmatory Sampling Site Schematic
Prometheus Frac Line

FIGURE:

3b

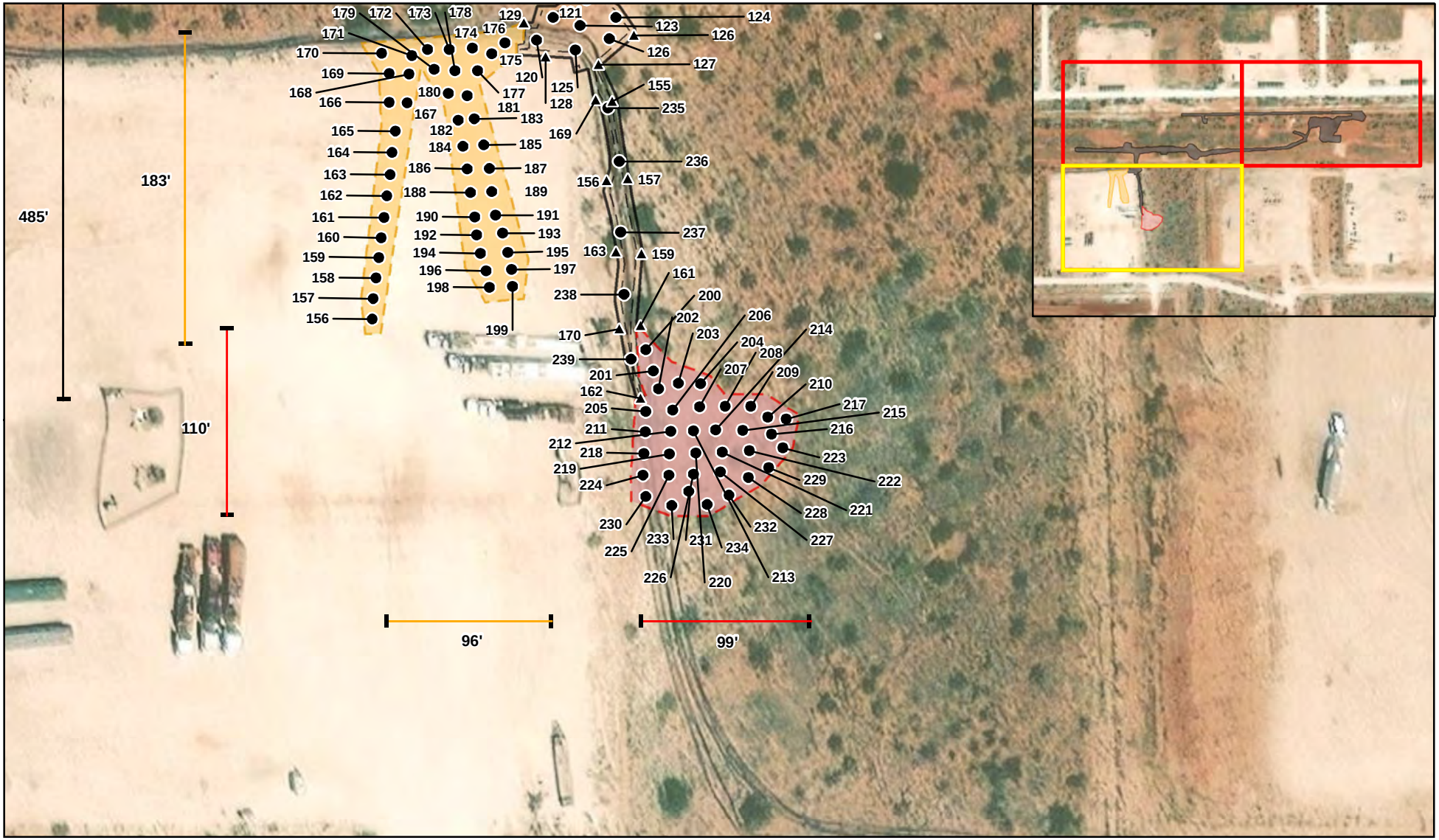
ACE FLUID SOLUTIONS

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Note: Georeferenced image from Esri,2022. Site features from GPS by Vertex Professional Services Ltd., 2024.

VERSATILITY. EXPERTISE.

Document Path: D:\Vertex\GeoRequests\23E-03329 - Ace Fluid\Figure 3 Excavation Progress 20240118 (23E-03329)ID17655.mxd



● Base Sample (Excavated) ▲ Wall Sample (Excavated) East Release Area (~6,740 sq. ft.) Excavation (~55,998 sq. ft,) West Release Area (~8,525 sq. ft.)

VERTEX

0 25 50 100 ft

NAD 1983 UTM Zone 13N

Date: Jan 25/24

N

Confirmatory Sampling Site Schematic
Prometheus Frac Line

FIGURE:
3c

ACE FLUID SOLUTIONS

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,2022. Site features from GPS by Vertex Professional Services Ltd., 2024.

VERSATILITY. EXPERTISE.

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APPENDIX B – Confirmatory Table

Client Name: Ace Fluid Solutions
Site Name: Prometheus Frac Line
NMOCD Tracking #: nAPP2226241849
Project #: 23E-03329
Lab Reports: 2312262, 2312088, 2312011, 2311922, 2311735, 2311674, 2311451, 2311345, 2311276, 2311217, 2311164, 2311066, 2311C30, 2311A03, 2309H62, 2312259, 2312561, 2401479, 2401882

Table 3. Confirmatory Sample Field Screen and Laboratory Results (Excavation Walls) - Depth to Groundwater >100 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
WS23-01	0-4	September 28, 2023	-	-	0	ND	ND	ND	ND	ND	ND	ND	ND
WS23-02	0-4	September 28, 2023	-	22	2	ND	ND	ND	ND	ND	ND	ND	ND
WS23-03	0-4	September 28, 2023	-	-	75	ND	ND	ND	ND	ND	ND	ND	ND
WS23-04	0-4	September 28, 2023	-	0	676	ND	ND	ND	ND	ND	ND	ND	360
WS23-05	0-4	September 28, 2023	-	-	0	ND	ND	ND	ND	ND	ND	ND	ND
WS23-06	0-4	September 28, 2023	-	0	0	ND	ND	ND	ND	ND	ND	ND	ND
WS23-07	0-4	September 28, 2023	-	-	0	ND	ND	ND	ND	ND	ND	ND	ND
WS23-08	0-4	November 30, 2023	0	22	148	ND	ND	ND	ND	ND	ND	ND	96
WS23-15	0-4	November 10, 2023	0	-	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-16	0-4	November 10, 2023	0	-	ND	ND	ND	ND	ND	ND	ND	ND	110
WS23-17	0-4	November 10, 2023	0	-	101	ND	ND	ND	ND	ND	ND	ND	87
WS23-18	0-4	November 10, 2023	0	-	230	ND	ND	ND	ND	ND	ND	ND	380
WS23-19	0-4	November 10, 2023	0	-	44	ND	ND	ND	ND	ND	ND	ND	170
WS23-22	0-4	November 7, 2023	0	33	245	ND	ND	ND	ND	ND	ND	ND	280
WS23-23	0-4	November 6, 2023	-	28	ND	ND	ND	ND	ND	ND	ND	ND	61
WS23-24	0-4	November 6, 2023	-	24	ND	ND	ND	ND	ND	ND	ND	ND	250
WS23-25	0-4	November 29, 2023	0	34	526	ND	ND	ND	ND	ND	ND	ND	240
WS23-26	0-4	November 3, 2023	0	47	333	ND	ND	ND	ND	ND	ND	ND	100
WS23-27	0-4	November 3, 2023	0	35	67	ND	ND	ND	ND	ND	ND	ND	66
WS23-28	0-4	November 3, 2023	0	52	20	ND	ND	ND	ND	ND	ND	ND	ND
WS23-29	0-4	November 2, 2023	0	41	126	ND	ND	ND	ND	ND	ND	ND	78
WS23-30	0-4	November 2, 2023	0	24	99	ND	ND	ND	ND	ND	ND	ND	ND
WS23-32	0-4	November 2, 2023	0	29	17	ND	ND	ND	ND	ND	ND	ND	ND
WS23-34	0-4	December 7, 2023	0	1	552	ND	ND	ND	ND	ND	ND	ND	380
WS23-36	0-4	November 1, 2023	0	28	232	ND	ND	ND	ND	ND	ND	ND	ND
WS23-39	0-4	October 31, 2023	0	31	388	ND	ND	ND	ND	ND	ND	ND	79
WS23-40	0-4	October 31, 2023	0	28	490	ND	ND	ND	ND	ND	ND	ND	83
WS23-41	0-4	October 31, 2023	0	30	365	ND	ND	ND	ND	ND	ND	ND	110
WS23-42	0-4	October 31, 2023	0	24	163	ND	ND	ND	ND	ND	ND	ND	ND
WS23-43	0-4	October 31, 2023	0	32	314	ND	ND	ND	ND	ND	ND	ND	180
WS23-44	0-4	November 1, 2023	0	43	552	ND	ND	ND	ND	ND	ND	ND	99
WS23-45	0-4	November 3, 2023	0	53	215	ND	ND	ND	13	ND	13	13	85
WS23-46	0-4	November 3, 2023	0	43	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-47	0-4	November 3, 2023	0	43	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-48	0-4	November 6, 2023	-	19	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-49	0-4	November 6, 2023	-	23	ND	ND	ND	ND	ND	ND	ND	ND	76
WS23-50	0-4	November 6, 2023	-	22	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-51	0-4	November 7, 2023	-	18	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-52	0-4	November 7, 2023	-	25	479	ND	ND	ND	ND	ND	ND	ND	450
WS23-56	0-4	November 10, 2023	0	-	401	ND	ND	ND	ND	ND	ND	ND	510
WS23-57	0-4	November 7, 2023	0	-	ND	ND	ND	ND	ND	ND	ND	ND	65
WS23-58	0-4	November 7, 2023	0	-	30	ND	ND	ND	ND	ND	ND	ND	ND
WS23-59	0-4	November 7, 2023	0	-	0	ND	ND	ND	ND	ND	ND	ND	410
WS23-60	0-4	November 10, 2023	0	-	249	ND	ND	ND	ND	ND	ND	ND	130
WS23-64	0-4	November 30, 2023	0	12	7	ND	ND	ND	ND	ND	ND	ND	ND
WS23-65	0-4	October 31, 2023	0	22	291	ND	ND	ND	ND	ND	ND	ND	ND
WS23-66	0-4	October 31, 2023	0	29	318	ND	ND	ND	ND	ND	ND	ND	63
WS23-67	0-4	October 31, 2023	0	35	170	ND	ND	ND	ND	ND	ND	ND	120
WS23-68	0-4	November 1, 2023	0	45	490	ND	ND	ND	ND	ND	ND	ND	ND
WS23-69	0-4	November 1, 2023	0	47	399	ND	ND	ND	ND	ND	ND	ND	ND
WS23-70	0-4	November 1, 2023	0	23	259	ND	ND	ND	ND	ND	ND	ND	ND
WS23-71	0-4	November 2, 2023	0	20	121	ND	ND	ND	ND	ND	ND	ND	ND
WS23-72	0-4	November 2, 2023	0	26	135	ND	ND	ND	ND	ND	ND	ND	ND

VERTEX

Client Name: Ace Fluid Solutions
Site Name: Prometheus Frac Line
NMOCD Tracking #: nAPP2226241849
Project #: 23E-03329
Lab Reports: 2312262, 2312088, 2312011, 2311922, 2311735, 2311674, 2311451, 2311345, 2311276, 2311217, 2311164, 2311066, 2311C30, 2311A03, 2309H62, 2312259, 2312561, 2401479, 2401882

Table 3. Confirmatory Sample Field Screen and Laboratory Results (Excavation Walls) - Depth to Groundwater >100 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
WS23-73	0-4	November 2, 2023	0	26	327	ND	ND	ND	ND	ND	ND	ND	100
WS23-74	0-4	November 2, 2023	0	16	17	ND	ND	ND	ND	ND	ND	ND	ND
WS23-75	0-4	November 3, 2023	0	26	135	ND	ND	ND	ND	ND	ND	ND	ND
WS23-76	0-4	November 7, 2023	-	6	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-77	0-4	November 10, 2023	0	-	372	ND	ND	ND	ND	ND	ND	ND	70
WS23-80	0-4	November 10, 2023	0	-	245	ND	ND	ND	ND	ND	ND	ND	210
WS23-81	0-4	November 13, 2023	0	-	342	ND	ND	ND	ND	ND	ND	ND	110
WS23-82	0-4	November 13, 2023	0	-	62	ND	ND	ND	ND	ND	ND	ND	ND
WS23-84	0-4	November 14, 2023	0	24	150	ND	ND	ND	ND	ND	ND	ND	230
WS23-85	0-4	November 14, 2023	0	26	178	ND	ND	ND	ND	ND	ND	ND	120
WS23-86	0-4	November 14, 2023	0	27	525	ND	ND	ND	ND	ND	ND	ND	210
WS23-87	0-4	November 14, 2023	0	32	754	ND	ND	ND	ND	ND	ND	ND	240
WS23-88	0-4	December 2, 2023	0	27	486	ND	ND	ND	ND	ND	ND	ND	150
WS23-89	0-4	December 2, 2023	0	51	477	ND	ND	ND	ND	ND	ND	ND	160
WS23-90	0-4	December 2, 2023	0	35	194	ND	ND	ND	ND	ND	ND	ND	ND
WS23-92	0-4	December 2, 2023	0	25	291	ND	ND	ND	ND	ND	ND	ND	ND
WS23-93	0-4	December 2, 2023	0	26	523	ND	ND	ND	ND	ND	ND	ND	ND
WS23-94	0-4	December 2, 2023	0	26	405	ND	ND	ND	ND	ND	ND	ND	ND
WS23-95	0-4	December 2, 2023	0	51	17	ND	ND	ND	ND	ND	ND	ND	ND
WS23-96	0-4	November 16, 2023	0	-	316	ND	ND	ND	ND	ND	ND	ND	93
WS23-97	0-4	November 16, 2023	0	-	126	ND	ND	ND	ND	ND	ND	ND	92
WS23-98	0-4	November 16, 2023	0	-	215	ND	ND	ND	ND	ND	ND	ND	ND
WS23-99	0-4	November 16, 2023	0	-	321	ND	ND	ND	ND	ND	ND	ND	140
WS23-100	0-4	November 16, 2023	0	13	372	ND	ND	ND	ND	ND	ND	ND	310
WS23-101	0-4	November 17, 2023	0	20	360	ND	ND	ND	ND	ND	ND	ND	280
WS23-102	0-4	November 17, 2023	0	21	318	ND	ND	ND	ND	ND	ND	ND	340
WS23-103	0-4	November 17, 2023	0	51	242	ND	ND	ND	ND	ND	ND	ND	230
WS23-104	0-4	November 17, 2023	0	29	112	ND	ND	ND	ND	ND	ND	ND	120
WS23-105	0-4	November 17, 2023	0	32	241	ND	ND	ND	ND	ND	ND	ND	230
WS23-106	0-4	November 17, 2023	0	28	132	ND	ND	ND	ND	ND	ND	ND	110
WS23-107	0-4	November 17, 2023	0	-	112	ND	ND	ND	ND	ND	ND	ND	100
WS23-108	0-4	November 17, 2023	0	-	232	ND	ND	ND	ND	ND	ND	ND	190
WS23-109	0-4	November 29, 2023	0	36	362	ND	ND	ND	ND	ND	ND	ND	97
WS23-110	0-4	November 29, 2023	0	31	142	ND	ND	ND	ND	ND	ND	ND	65
WS23-111	0-4	November 29, 2023	0	27	101	ND	ND	ND	ND	ND	ND	ND	ND
WS23-112	0-4	November 29, 2023	0	34	174	ND	ND	ND	ND	ND	ND	ND	64
WS23-113	0-4	November 29, 2023	0	20	53	ND	ND	ND	ND	ND	ND	ND	ND
WS23-114	0-4	November 29, 2023	0	25	57	ND	ND	ND	ND	ND	ND	ND	ND
WS23-115	0-4	November 29, 2023	0	26	82	ND	ND	ND	ND	ND	ND	ND	ND
WS23-116	0-4	November 30, 2023	0	49	342	ND	ND	ND	ND	ND	ND	ND	87
WS23-117	0-4	November 30, 2023	0	17	90	ND	ND	ND	ND	ND	ND	ND	ND
WS23-118	0-4	November 30, 2023	0	21	516	ND	ND	ND	ND	ND	ND	ND	74
WS23-119	0-4	November 30, 2023	0	22	28	ND	ND	ND	ND	ND	ND	ND	ND
WS23-120	0-4	November 30, 2023	0	12	44	ND	ND	ND	ND	ND	ND	ND	ND
WS23-121	0-4	November 30, 2023	0	31	189	ND	ND	ND	ND	ND	ND	ND	98
WS23-122	0-4	November 30, 2023	0	25	505	ND	ND	ND	ND	ND	ND	ND	ND
WS23-123	0-4	November 30, 2023	0	36	53	ND	ND	ND	ND	ND	ND	ND	ND
WS23-124	0-4	November 30, 2023	0	22	40	ND	ND	ND	ND	ND	ND	ND	ND
WS23-125	0-4	December 1, 2023	0	29	151	ND	ND	ND	ND	ND	ND	ND	67
WS23-126	0-4	December 1, 2023	0	44	264	ND	ND	ND	ND	ND	ND	ND	85
WS23-127	0-4	December 1, 2023	0	46	568	ND	ND	ND	ND	ND	ND	ND	190
WS23-128	0-4	December 1, 2023	0	33	552	ND	ND	ND	ND	ND	ND	ND	250
WS23-129	0-4	December 1, 2023	0	21	183	ND	ND	ND	ND	ND	ND	ND	64

VERTEX

Client Name: Ace Fluid Solutions
Site Name: Prometheus Frac Line
NMOCD Tracking #: nAPP2226241849
Project #: 23E-03329
Lab Reports: 2312262, 2312088, 2312011, 2311922, 2311735, 2311674, 2311451, 2311345, 2311276, 2311217, 2311164, 2311066, 2311C30, 2311A03, 2309H62, 2312259, 2312561, 2401479, 2401882

Table 3. Confirmatory Sample Field Screen and Laboratory Results (Excavation Walls) - Depth to Groundwater >100 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
WS23-130	0-4	December 1, 2023	0	32	264	ND	ND	ND	ND	ND	ND	ND	110
WS23-131	0-4	December 2, 2023	0	46	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-132	0-4	December 2, 2023	0	27	82	ND	ND	ND	ND	ND	ND	ND	ND
WS23-133	0-4	December 2, 2023	0	32	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-134	0-4	December 2, 2023	0	31	178	ND	ND	ND	ND	ND	ND	ND	86
WS23-135	0-4	December 2, 2023	0	13	526	ND	ND	ND	ND	ND	ND	ND	61
WS23-136	0-4	December 2, 2023	0	39	487	ND	ND	ND	ND	ND	ND	ND	79
WS23-137	0-4	December 2, 2023	0	26	291	ND	ND	ND	ND	ND	ND	ND	ND
WS23-138	0-4	December 2, 2023	0	55	372	ND	ND	ND	ND	ND	ND	ND	ND
WS23-139	0-4	December 2, 2023	0	32	ND	ND	ND	ND	ND	ND	ND	ND	ND
WS23-140	0-4	December 2, 2023	0	49	336	ND	ND	ND	ND	ND	ND	ND	140
WS23-141	0-4	December 2, 2023	0	20	2	ND	ND	ND	ND	ND	ND	ND	ND
WS23-142	0-4	December 2, 2023	0	31	295	ND	ND	ND	ND	ND	ND	ND	89
WS23-143	0-4	December 2, 2023	0	23	500	ND	ND	ND	ND	ND	ND	ND	64
WS23-144	0-4	December 2, 2023	0	17	587	ND	ND	ND	ND	ND	ND	ND	90
WS23-145	0-4	December 2, 2023	0	24	350	ND	ND	ND	ND	ND	ND	ND	ND
WS23-146	0-4	December 2, 2023	0	20	444	ND	ND	ND	ND	ND	ND	ND	ND
WS23-147	0-4	December 2, 2023	0	36	620	ND	ND	ND	ND	ND	ND	ND	67
WS23-148	0-4	December 2, 2023	0	36	370	ND	ND	ND	ND	ND	ND	ND	ND
WS23-149	0-4	December 2, 2023	0	25	352	ND	ND	ND	ND	ND	ND	ND	ND
WS23-150	0-4	December 2, 2023	0	45	75	ND	ND	ND	ND	ND	ND	ND	ND
WS23-151	0-4	December 7, 2023	0	5	578	ND	ND	ND	ND	ND	ND	ND	380
WS24-155	0-4	January 10, 2024	0	1	430	ND	ND	ND	ND	ND	ND	ND	280
WS24-156	0-4	January 10, 2024	0	5	497	ND	ND	ND	ND	ND	ND	ND	420
WS24-157	0-4	January 10, 2024	0	24	495	ND	ND	ND	ND	ND	ND	ND	290
WS24-159	0-4	January 10, 2024	0	0	549	ND	ND	ND	ND	ND	ND	ND	400
WS24-161	0-4	January 10, 2024	0	0	352	ND	ND	ND	ND	ND	ND	ND	310
WS24-162	0-4	January 10, 2024	0	0	181	ND	ND	ND	ND	ND	ND	ND	77
WS24-163	0-4	January 10, 2024	0	0	294	ND	ND	ND	ND	ND	ND	ND	180
WS24-164	0-4	January 10, 2024	0	8	324	ND	ND	ND	ND	ND	ND	ND	170
WS24-165	0-4	January 10, 2024	0	0	210	ND	ND	ND	ND	ND	ND	ND	94
WS24-166	0-4	January 10, 2024	0	17	456	ND	ND	ND	ND	ND	ND	ND	310
WS24-167	0-4	January 10, 2024	0	0	591	ND	ND	ND	ND	ND	ND	ND	710
WS24-169	0-4	January 19, 2024	0	39	325	ND	ND	ND	ND	ND	ND	ND	71
WS24-170	0-4	January 19, 2024	0	29	375	ND	ND	ND	ND	ND	ND	ND	ND

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

VERTEX

Client Name: Ace Fluid Solutions
Site Name: Prometheus Frac Line
NMOCD Tracking #: nAPP2226241849
Project #: 23E-03329
Lab Reports: 2309H61, 2311066, 2311164, 2311217, 2311276, 2311345, 2311451, 2311545, 2311674, 2311735, 2311922, 2311923, 2311A03, 2311C29, 2312011, 2312088, 2312259, 2312262, 2312561, 2401253, 2401304, 2401305, 2401479, 2401882

Table 4. Confirmatory Sample Field Screen and Laboratory Results (Excavation Base) - Depth to Groundwater >100 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS23-01	4	September 28, 2023	-	-	77	ND	ND	ND	ND	ND	ND	ND	200
BS23-02	4	September 28, 2023	-	30	209	ND	ND	ND	ND	ND	ND	ND	290
BS23-03	4	September 28, 2023	-	-	235	ND	ND	ND	ND	ND	ND	ND	470
BS23-04	4	September 28, 2023	-	11	82	ND	ND	ND	ND	ND	ND	ND	85
BS23-05	4	September 28, 2023	-	-	839	ND	ND	ND	ND	ND	ND	ND	680
BS23-06	4	September 28, 2023	-	36	2,902	ND	ND	ND	ND	ND	ND	ND	3,100
BS23-07	4	September 28, 2023	-	-	1,962	ND	ND	ND	ND	ND	ND	ND	2,600
BS23-08	4	September 28, 2023	-	17	1,327	ND	ND	ND	ND	ND	ND	ND	1,600
BS23-09	4	September 28, 2023	-	-	7,090	ND	ND	ND	ND	ND	ND	ND	5,700
BS23-10	4	September 28, 2023	-	22	1,235	ND	ND	ND	ND	ND	ND	ND	1,100
BS23-11	4	November 30, 2023	0	-	138	ND	ND	ND	ND	ND	ND	ND	ND
BS23-12	4	November 30, 2023	0	-	414	ND	ND	ND	ND	ND	ND	ND	110
BS23-13	4	November 30, 2023	0	-	291	ND	ND	ND	ND	ND	ND	ND	ND
BS23-14	4	November 30, 2023	0	-	167	ND	ND	ND	ND	ND	ND	ND	ND
BS23-15	4	November 30, 2023	0	-	350	ND	ND	ND	ND	ND	ND	ND	400
BS23-16	4	November 30, 2023	0	-	720	ND	ND	ND	ND	ND	ND	ND	310
BS23-17	4	November 30, 2023	0	-	347	ND	ND	ND	ND	ND	ND	ND	98
BS23-18	4	November 29, 2023	0	-	1,137	ND	ND	ND	ND	ND	ND	ND	690
BS23-19	4	November 29, 2023	0	-	803	ND	ND	ND	ND	ND	ND	ND	400
BS23-20	4	November 29, 2023	0	-	1,362	ND	ND	ND	ND	ND	ND	ND	730
BS23-21	4	November 29, 2023	0	-	925	ND	ND	ND	ND	ND	ND	ND	480
BS23-22	4	November 29, 2023	0	-	620	ND	ND	ND	ND	ND	ND	ND	300
BS23-23	4	November 29, 2023	0	-	1,248	ND	ND	ND	ND	ND	ND	ND	870
BS23-24	4	November 29, 2023	0	-	2,173	ND	ND	ND	ND	ND	ND	ND	1,600
BS23-25	4	November 29, 2023	0	-	2,039	ND	ND	ND	ND	ND	ND	ND	1,200
BS23-26	4	November 29, 2023	0	-	510	ND	ND	ND	ND	ND	ND	ND	240
BS23-27	4	November 29, 2023	0	-	1,056	ND	ND	ND	ND	ND	ND	ND	590
BS23-28	4	November 29, 2023	0	-	1,062	ND	ND	ND	ND	ND	ND	ND	610
BS23-29	4	November 29, 2023	0	-	2,169	ND	ND	ND	ND	ND	ND	ND	1,400
BS23-30	4	November 29, 2023	0	-	3,313	ND	ND	ND	22	ND	22	22	2,000
BS23-31	4	November 29, 2023	0	-	1,658	ND	ND	ND	ND	ND	ND	ND	870
BS23-32	4	November 29, 2023	0	-	2,323	ND	ND	ND	ND	ND	ND	ND	1,600
BS23-33	4	November 29, 2023	0	-	1,602	ND	ND	ND	ND	ND	ND	ND	990
BS23-34	4	November 17, 2023	0	-	629	ND	ND	ND	ND	ND	ND	ND	570
BS23-35	4	November 16, 2023	0	-	145	ND	ND	ND	ND	ND	ND	ND	200
BS23-36	4	November 16, 2023	0	-	431	ND	ND	ND	ND	ND	ND	ND	370
BS23-37	4	November 15, 2023	0	-	313	ND	ND	ND	ND	ND	ND	ND	260
BS23-38	4	November 15, 2023	0	-	218	ND	ND	ND	ND	ND	ND	ND	220
BS23-39	4	November 15, 2023	0		258	ND	ND	ND	ND	ND	ND	ND	240
BS23-40	4	November 15, 2023	0	-	295	ND	ND	ND	ND	ND	ND	ND	290
BS23-41	4	November 13, 2023	0	-	342	ND	ND	ND	ND	ND	ND	ND	410
BS23-42	4	November 13, 2023	0	-	226	ND	ND	ND	ND	ND	ND	ND	300
BS23-43	4	December 7, 2023	0	-	790	ND	ND	ND	ND	ND	ND	ND	680
BS23-44	4	November 15, 2023	0	-	350	ND	ND	ND	ND	ND	ND	ND	350
BS23-45	4	November 13, 2023	0	-	572	ND	ND	ND	ND	ND	ND	ND	490
BS23-46	4	November 13, 2023	0	-	725	ND	ND	ND	ND	ND	ND	ND	720
BS23-47	4	November 13, 2023	0	-	336	ND	ND	ND	ND	ND	ND	ND	410
BS23-48	4	November 10, 2023	0	-	793	ND	ND	ND	ND	ND	ND	ND	1,000
BS23-49	4	November 10, 2023	0	-	477	ND	ND	ND	ND	ND	ND	ND	320
BS23-50	4	November 10, 2023	0	-	698	ND	ND	ND	ND	ND	ND	ND	510
BS23-51	4	November 13, 2023	0	-	546	ND	ND	ND	ND	ND	ND	ND	390
BS23-52	4	November 10, 2023	0	-	779	ND	ND	ND	ND	ND	ND	ND	550
BS23-53	4	November 8, 2023	-	-	464	ND	ND	ND	ND	ND	ND	ND	490
BS23-54	4	November 8, 2023	-	-	476	ND	ND	ND	ND	ND	ND	ND	380

VERTEX

Client Name: Ace Fluid Solutions
Site Name: Prometheus Frac Line
NMOCD Tracking #: nAPP2226241849
Project #: 23E-03329
Lab Reports: 2309H61, 2311066, 2311164, 2311217, 2311276, 2311345, 2311451, 2311545, 2311674, 2311735, 2311922, 2311923, 2311A03, 2311C29, 2312011, 2312088, 2312259, 2312262, 2312561, 2401253, 2401304, 2401305, 2401479, 2401882

Table 4. Confirmatory Sample Field Screen and Laboratory Results (Excavation Base) - Depth to Groundwater >100 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS23-55	4	November 8, 2023	-	-	495	ND	ND	ND	ND	ND	ND	ND	450
BS23-56	4	November 8, 2023	-	-	536	ND	ND	ND	ND	ND	ND	ND	510
BS23-57	4	November 7, 2023	-	-	105	ND	ND	ND	ND	ND	ND	ND	290
BS23-58	4	November 7, 2023	-	-	124	ND	ND	ND	ND	ND	ND	ND	330
BS23-59	4	November 7, 2023	-	-	176	ND	ND	ND	ND	ND	ND	ND	410
BS23-60	4	November 7, 2023	-	-	353	ND	ND	ND	ND	ND	ND	ND	470
BS23-61	4	November 3, 2023	0	-	141	ND	ND	ND	ND	ND	ND	ND	310
BS23-62	4	November 6, 2023	-	49	33	ND	ND	ND	ND	ND	ND	ND	360
BS23-63	4	November 6, 2023	-	55	128	ND	ND	ND	ND	ND	ND	ND	370
BS23-64	4	November 3, 2023	0	-	607	ND	ND	ND	ND	ND	ND	ND	130
BS23-65	4	November 3, 2023	0	-	624	ND	ND	ND	ND	ND	ND	ND	360
BS23-66	4	November 2, 2023	0	-	663	ND	ND	ND	ND	ND	ND	ND	510
BS23-67	4	December 7, 2023	0	-	352	ND	ND	ND	ND	ND	ND	ND	130
BS23-68	4	November 1, 2023	0	-	1,202	ND	ND	ND	ND	ND	ND	ND	830
BS23-69	4	November 1, 2023	0		1,437	ND	ND	ND	ND	ND	ND	ND	1,100
BS23-70	4	November 1, 2023	0	-	941	ND	ND	ND	ND	ND	ND	ND	490
BS23-71	4	November 1, 2023	0	-	1,311	ND	ND	ND	ND	ND	ND	ND	770
BS23-72	4	November 1, 2023	0	-	2,304	ND	ND	ND	ND	ND	ND	ND	2,200
BS23-73	4	November 1, 2023	0	-	1,382	ND	ND	ND	ND	ND	ND	ND	910
BH23-74	4	November 1, 2023	0	-	3,157	ND	ND	ND	ND	ND	ND	ND	2,200
BS23-75	4	November 1, 2023	0	-	5,487	ND	ND	ND	ND	ND	ND	ND	4,100
BS23-76	4	November 1, 2023	0	-	3,308	ND	ND	ND	ND	ND	ND	ND	2,400
BS23-77	4	November 1, 2023	0	-	1,980	ND	ND	ND	ND	ND	ND	ND	1,500
BS23-78	4	November 1, 2023	0	-	3,312	ND	ND	ND	ND	ND	ND	ND	2,700
BS23-79	4	November 1, 2023	0	-	3,458	ND	ND	ND	ND	ND	ND	ND	2,300
BS23-80	4	November 1, 2023	0	-	668	ND	ND	ND	ND	ND	ND	ND	310
BS23-81	4	November 1, 2023	0	-	1,365	ND	ND	ND	ND	ND	ND	ND	670
BS23-82	4	November 1, 2023	0	-	3,387	ND	ND	ND	ND	ND	ND	ND	2,200
BS23-83	4	November 2, 2023	0	-	2,501	ND	ND	ND	ND	ND	ND	ND	1,300
BS23-84	4	October 31, 2023	0	-	1,066	ND	ND	ND	ND	ND	ND	ND	510
BS23-85	4	October 31, 2023	0	-	1,154	ND	ND	ND	ND	ND	ND	ND	550
BS23-86	4	October 31, 2023	0	-	463	ND	ND	ND	ND	ND	ND	ND	200
BS23-87	4	October 31, 2023	0	-	1,259	ND	ND	ND	ND	ND	ND	ND	670
BS23-88	4	October 31, 2023	0	-	2,123	ND	ND	ND	ND	ND	ND	ND	1,500
BS23-89	4	October 31, 2023	0	-	2,899	ND	ND	ND	ND	ND	ND	ND	2,100
BS23-90	4	October 31, 2023	0	-	1,866	ND	ND	ND	ND	ND	ND	ND	1,200
BS23-91	4	October 31, 2023	0	-	1,880	ND	ND	ND	ND	ND	ND	ND	1,700
BS23-92	4	October 31, 2023	0	-	1,078	ND	ND	ND	ND	ND	ND	ND	960
BS23-93	4	October 31, 2023	0	-	1,066	ND	ND	ND	ND	ND	ND	ND	870
BS23-94	4	October 31, 2023	0	-	2,622	ND	ND	ND	ND	ND	ND	ND	2,200
BS23-95	4	October 31, 2023	0	-	4,876	ND	ND	ND	ND	ND	ND	ND	3,800
BS23-96	4	October 31, 2023	0	-	2,906	ND	ND	ND	ND	ND	ND	ND	1,700
BS23-97	4	October 31, 2023	0	-	1,946	ND	ND	ND	ND	ND	ND	ND	1,300
BS23-98	4	October 31, 2023	0	-	2,444	ND	ND	ND	11	ND	11	11	1,600
BS23-99	4	October 31, 2023	0	-	3,401	ND	ND	ND	10	ND	10	10	2,100
BS23-100	4	October 31, 2023	0	-	2,108	ND	ND	ND	11	ND	11	11	1,500
BS23-101	4	October 31, 2023	0	-	1,998	ND	ND	ND	11	ND	11	11	1,200
BS23-102	4	October 31, 2023	0	-	2,267	ND	ND	ND	10	ND	10	10	1,300
BS23-103	4	October 31, 2023	0	-	724	ND	ND	ND	9.3	ND	9.3	9.3	250
BS23-104	4	November 1, 2023	0	-	2,430	ND	ND	ND	ND	ND	ND	ND	1,400
BS23-105	4	November 2, 2023	0	-	2,582	ND	ND	ND	ND	ND	ND	ND	1,600
BS23-106	4	November 2, 2023	0	-	1,093	ND	ND	ND	ND	ND	ND	ND	690
BS23-107	4	November 2, 2023	0	-	975	ND	ND	ND	ND	ND	ND	ND	550
BS23-108	4	November 2, 2023	0	-	624	ND	ND	ND	ND	ND	ND	ND	430

VERTEX

Client Name: Ace Fluid Solutions
Site Name: Prometheus Frac Line
NMOCD Tracking #: nAPP2226241849
Project #: 23E-03329
Lab Reports: 2309H61, 2311066, 2311164, 2311217, 2311276, 2311345, 2311451, 2311545, 2311674, 2311735, 2311922, 2311923, 2311A03, 2311C29, 2312011, 2312088, 2312259, 2312262, 2312561, 2401253, 2401304, 2401305, 2401479, 2401882

Table 4. Confirmatory Sample Field Screen and Laboratory Results (Excavation Base) - Depth to Groundwater >100 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS23-109	4	November 3, 2023	0	-	666	ND	ND	ND	ND	ND	ND	ND	520
BS23-110	4	November 14, 2023	0	-	1,691	ND	ND	ND	ND	ND	ND	ND	1,100
BS23-111	4	November 14, 2023	0	-	402	ND	ND	ND	ND	ND	ND	ND	180
BS23-112	4	November 15, 2023	0	-	2,985	ND	ND	ND	ND	ND	ND	ND	3,100
BS23-113	4	November 16, 2023	0	-	994	ND	ND	ND	ND	ND	ND	ND	1,200
BS23-114	4	November 16, 2023	0	-	906	ND	ND	ND	ND	ND	ND	ND	760
BS23-115	4	November 16, 2023	0	-	1,007	ND	ND	ND	ND	ND	ND	ND	1,200
BS23-116	4	November 17, 2023	0	-	583	ND	ND	ND	ND	ND	ND	ND	830
BS23-117	4	November 17, 2023	0	-	310	ND	ND	ND	ND	ND	ND	ND	600
BS23-118	4	November 17, 2023	0	-	557	ND	ND	ND	ND	ND	ND	ND	780
BS23-119	4	November 17, 2023	0	-	189	ND	ND	ND	ND	ND	ND	ND	330
BS23-120	4	December 1, 2023	0	-	1,798	ND	ND	ND	ND	ND	ND	ND	1,100
BS23-121	4	December 1, 2023	0	-	196	ND	ND	ND	ND	ND	ND	ND	ND
BS23-122	4	December 1, 2023	0	-	3,251	ND	ND	ND	ND	ND	ND	ND	3,000
BS23-123	4	December 1, 2023	0	-	1,870	ND	ND	ND	ND	ND	ND	ND	1,300
BS23-124	4	December 1, 2023	0	-	480	ND	ND	ND	ND	ND	ND	ND	260
BS23-125	4	December 1, 2023	0	-	2,918	ND	ND	ND	ND	ND	ND	ND	2,400
BS23-126	4	December 1, 2023	0	-	1,303	ND	ND	ND	ND	ND	ND	ND	910
BS23-127	4	December 1, 2023	0	-	2,006	ND	ND	ND	ND	ND	ND	ND	1,400
BS23-128	4	December 1, 2023	0	-	2,785	ND	ND	ND	ND	ND	ND	ND	3,100
BS23-129	4	December 1, 2023	0	-	3,534	ND	ND	ND	ND	ND	ND	ND	2,600
BS23-130	4	December 2, 2023	0	-	2,749	ND	ND	ND	ND	ND	ND	ND	1,900
BS23-131	4	December 2, 2023	0	-	3,615	ND	ND	ND	ND	ND	ND	ND	2,500
BS23-132	4	December 2, 2023	0	-	2,818	ND	ND	ND	ND	ND	ND	ND	1,600
BS23-133	4	December 2, 2023	0	-	4,084	ND	ND	ND	ND	ND	ND	ND	2,900
BS23-134	4	December 2, 2023	0	-	6,038	ND	ND	ND	ND	ND	ND	ND	4,400
BS23-135	4	December 2, 2023	0	-	3,345	ND	ND	ND	ND	ND	ND	ND	2,300
BS23-136	4	December 2, 2023	0	-	2,201	ND	ND	ND	ND	ND	ND	ND	2,000
BS23-137	4	December 2, 2023	0	-	137	ND	ND	ND	ND	ND	ND	ND	ND
BS23-138	4	December 2, 2023	0	-	518	ND	ND	ND	ND	ND	ND	ND	240
BS23-139	4	December 2, 2023	0	-	912	ND	ND	ND	ND	ND	ND	ND	440
BS23-140	4	December 2, 2023	0	-	1,267	ND	ND	ND	ND	ND	ND	ND	560
BS23-141	4	December 2, 2023	0	-	1,545	ND	ND	ND	ND	ND	ND	ND	1,500
BS23-142	4	December 2, 2023	0	-	2,805	ND	ND	ND	ND	ND	ND	ND	2,000
BS23-143	4	December 2, 2023	0	-	1,564	ND	ND	ND	ND	ND	ND	ND	960
BS23-144	4	December 2, 2023	0	-	6,422	ND	ND	ND	ND	ND	ND	ND	5,700
BS23-145	4	December 2, 2023	0	-	5,679	ND	ND	ND	ND	ND	ND	ND	2,500
BS23-146	4	December 2, 2023	0	-	9,745	ND	ND	ND	ND	ND	ND	ND	6,100
BS23-147	4	December 2, 2023	0	-	3,318	ND	ND	ND	ND	ND	ND	ND	2,100
BS23-148	4	December 2, 2023	0	-	4,964	ND	ND	ND	ND	ND	ND	ND	4,400
BS23-149	4	December 2, 2023	0	-	5,703	ND	ND	ND	ND	ND	ND	ND	4,700
BS23-150	4	December 2, 2023	0	-	6,816	ND	ND	ND	ND	ND	ND	ND	6,900
BS23-151	4	December 2, 2023	0	-	7,432	ND	ND	ND	ND	ND	ND	ND	5,700
BS23-152	4	December 2, 2023	0	-	2,160	ND	ND	ND	ND	ND	ND	ND	1,600
BS23-153	4	December 2, 2023	0	-	3,941	ND	ND	ND	ND	ND	ND	ND	3,300
BS23-154	4	December 7, 2023	0	-	2,620	ND	ND	ND	ND	ND	ND	ND	2,500
BS23-155	4	December 7, 2023	0	-	2,248	ND	ND	ND	ND	ND	ND	ND	2,400
BS23-156	0	January 3, 2024	0	70	287	ND	ND	ND	ND	ND	ND	ND	78
BS23-157	0	January 3, 2024	0	88	173	ND	ND	ND	ND	ND	ND	ND	80
BS23-158	0	January 3, 2024	0	91	375	ND	ND	ND	ND	ND	ND	ND	220
BS23-159	0	January 3, 2024	0	131	515	ND	ND	ND	ND	ND	ND	ND	350
BS23-160	0	January 3, 2024	0	120	724	ND	ND	ND	ND	ND	ND	ND	350
BS23-161	0	January 3, 2024	0	127	786	ND	ND	ND	ND	51	ND	51	350
BS23-162	0	January 3, 2024	0	75	372	ND	ND	ND	ND	ND	ND	ND	78

VERTEX

Client Name: Ace Fluid Solutions
Site Name: Prometheus Frac Line
NMOCD Tracking #: nAPP2226241849
Project #: 23E-03329
Lab Reports: 2309H61, 2311066, 2311164, 2311217, 2311276, 2311345, 2311451, 2311545, 2311674, 2311735, 2311922, 2311923, 2311A03, 2311C29, 2312011, 2312088, 2312259, 2312262, 2312561, 2401253, 2401304, 2401305, 2401479, 2401882

Table 4. Confirmatory Sample Field Screen and Laboratory Results (Excavation Base) - Depth to Groundwater >100 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS23-163	0	January 3, 2024	0	121	941	ND	ND	ND	15	ND	15	15	380
BS23-164	0	January 3, 2024	0	118	548	ND	ND	ND	ND	ND	ND	ND	370
BS23-165	0	January 3, 2024	0	123	974	ND	ND	ND	ND	ND	ND	ND	370
BS23-166	0	January 3, 2024	0	100	699	ND	ND	ND	ND	ND	ND	ND	200
BS23-167	0	January 3, 2024	0	86	868	ND	ND	ND	ND	ND	ND	ND	300
BS23-168	0	January 3, 2024	0	47	550	ND	ND	ND	ND	ND	ND	ND	380
BS23-169	0	January 3, 2024	0	62	953	ND	ND	ND	ND	ND	ND	ND	380
BS23-170	0	January 3, 2024	0	38	1,013	ND	ND	ND	ND	ND	ND	ND	380
BS23-171	0	January 3, 2024	0	88	863	ND	ND	ND	ND	ND	ND	ND	290
BS24-172	0	January 6, 2024	0	72	330	ND	ND	ND	ND	ND	ND	ND	150
BS24-173	0	January 6, 2024	0	58	103	ND	ND	ND	ND	ND	ND	ND	ND
BS24-174	0	January 6, 2024	0	65	157	ND	ND	ND	ND	ND	ND	ND	ND
BS24-175	0	January 6, 2024	0	95	581	ND	ND	ND	14	ND	14	14	270
BS24-176	0	January 6, 2024	0	72	165	ND	ND	ND	ND	ND	ND	ND	ND
BS24-177	0	January 6, 2024	0	95	490	ND	ND	ND	12	ND	12	ND	ND
BS24-178	0	January 6, 2024	0	78	858	ND	ND	ND	ND	ND	ND	ND	320
BS24-179	0	January 6, 2024	0	69	916	ND	ND	ND	ND	ND	ND	ND	320
BS24-180	0	January 6, 2024	0	79	253	ND	ND	ND	ND	ND	ND	ND	68
BS24-181	0	January 6, 2024	0	75	44	ND	ND	ND	ND	ND	ND	ND	ND
BS24-182	0	January 6, 2024	0	110	730	ND	ND	ND	ND	ND	ND	ND	260
BS24-183	0	January 6, 2024	0	96	99	ND	ND	ND	ND	ND	ND	ND	ND
BS24-184	0	January 6, 2024	0	91	711	ND	NDN	ND	ND	ND	ND	ND	240
BS24-185	0	January 6, 2024	0	127	101	ND	ND	ND	16	ND	16	16	ND
BS24-186	0	January 6, 2024	0	85	658	ND	ND	ND	ND	ND	ND	ND	240
BS24-187	0	January 6, 2024	0	111	95	ND	ND	ND	ND	ND	ND	ND	ND
BS24-188	0	January 6, 2024	0	75	388	ND	ND	ND	ND	ND	ND	ND	140
BS24-189	0	January 6, 2024	0	99	129	ND	ND	ND	10	ND	10	10	ND
BS24-190	0	January 6, 2024	0	80	203	ND	ND	ND	ND	ND	ND	ND	ND
BS24-191	0	January 6, 2024	0	85	154	ND	ND	ND	ND	ND	ND	ND	ND
BS24-192	0	January 6, 2024	0	88	170	ND	ND	ND	ND	ND	ND	ND	ND
BS24-193	0	January 6, 2024	0	80	145	ND	ND	ND	ND	ND	ND	ND	ND
BS24-194	0	January 6, 2024	0	63	73	ND	ND	ND	ND	ND	ND	ND	ND
BS24-195	0	January 6, 2024	0	71	83	ND	ND	ND	ND	ND	ND	ND	ND
BS24-196	0	January 6, 2024	0	60	56	ND	ND	ND	ND	ND	ND	ND	ND
BS24-197	0	January 6, 2024	0	70	31	ND	ND	ND	ND	ND	ND	ND	ND
BS24-198	0	January 6, 2024	0	74	85	ND	ND	ND	ND	ND	ND	ND	ND
BS24-199	0	January 6, 2024	0	71	37	ND	ND	ND	ND	ND	ND	ND	ND
BS24-200	0	January 7, 2024	0	80	129	ND	ND	ND	ND	ND	ND	ND	ND
BS24-201	0	January 7, 2024	0	90	34	ND	ND	ND	12	ND	12	12	ND
BS24-202	0	January 7, 2024	0	17	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-203	0	January 7, 2024	0	42	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-204	0	January 7, 2024	0	29	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-205	0	January 7, 2024	0	59	27	ND	ND	ND	ND	ND	ND	ND	ND
BS24-206	0	January 7, 2024	0	17	109	ND	ND	ND	ND	ND	ND	ND	ND
BS24-207	0	January 7, 2024	0	23	187	ND	ND	ND	ND	ND	ND	ND	140
BS24-208	0	January 7, 2024	0	32	281	ND	ND	ND	ND	ND	ND	ND	140
BS24-209	0	January 7, 2024	0	38	40	ND	ND	ND	ND	ND	ND	ND	ND
BS24-210	0	January 7, 2024	0	56	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-211	0	January 7, 2024	0	26	11	ND	ND	ND	ND	ND	ND	ND	ND
BS24-212	0	January 7, 2024	0	48	226	ND	ND	ND	ND	ND	ND	ND	96
BS24-213	0	January 7, 2024	0	71	203	ND	ND	ND	ND	ND	ND	ND	ND
BS24-214	0	January 7, 2024	0	16	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-215	0	January 7, 2024	0	17	82	ND	ND	ND	ND	ND	ND	ND	ND
BS24-216	0	January 7, 2024	0	62	ND	ND	ND	ND	ND	ND	ND	ND	ND

Client Name: Ace Fluid Solutions
Site Name: Prometheus Frac Line
NMOCD Tracking #: nAPP2226241849
Project #: 23E-03329
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Table 4. Confirmatory Sample Field Screen and Laboratory Results (Excavation Base) - Depth to Groundwater >100 feet bgs

Sample Description			Field Screening			Petroleum Hydrocarbons							Inorganic
						Volatile		Extractable					
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS24-217	0	January 7, 2024	0	31	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-218	0	January 7, 2024	0	27	228	ND	ND	ND	ND	ND	ND	ND	99
BS24-219	0	January 7, 2024	0	59	30	ND	ND	ND	ND	ND	ND	ND	ND
BS24-220	0	January 7, 2024	0	13	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-221	0	January 7, 2024	0	26	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-222	0	January 7, 2024	0	25	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-223	0	January 7, 2024	0	55	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-224	0	January 7, 2024	0	29	661	ND	ND	ND	ND	ND	ND	ND	290
BS24-225	0	January 7, 2024	0	91	210	ND	ND	ND	ND	ND	ND	ND	82
BS24-226	0	January 7, 2024	0	50	308	ND	ND	ND	ND	ND	ND	ND	120
BS24-227	0	January 7, 2024	0	49	190	ND	ND	ND	ND	ND	ND	ND	ND
BS24-228	0	January 7, 2024	0	36	96	ND	ND	ND	ND	ND	ND	ND	ND
BS24-229	0	January 7, 2024	0	49	17	ND	ND	ND	ND	ND	ND	ND	ND
BS24-230	0	January 7, 2024	0	54	178	ND	ND	ND	ND	ND	ND	ND	69
BS24-231	0	January 7, 2024	0	51	303	ND	ND	ND	ND	ND	ND	ND	110
BS24-232	0	January 7, 2024	0	30	53	ND	ND	ND	ND	ND	ND	ND	ND
BS24-233	0	January 7, 2024	0	24	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS24-234	0	January 7, 2024	0	62	30	ND	ND	ND	ND	ND	ND	ND	ND
BS24-235	4	January 19, 2024	0	-	1,838	ND	ND	ND	ND	ND	ND	ND	810
BS24-236	4	January 19, 2024	0	-	1,366	ND	ND	ND	ND	ND	ND	ND	430
BS24-237	4	January 19, 2024	0	-	1,759	ND	ND	ND	ND	ND	ND	ND	700
BS24-238	4	January 19, 2024	0	-	4,316	ND	ND	ND	ND	ND	ND	ND	2300
BS24-239	4	January 19, 2024	0	-	2,802	ND	ND	ND	ND	ND	ND	ND	1400

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

APPENDIX C – Seeding Field and Revegetation Reports with Photographs

Daily Site Visit Report

Client	Ace Fluid Solutions	Inspection Date	5/9/2024
Site Location Name	Prometheus	API #	
Client Contact Name	Stan Peach	Project Owner	
Client Contact Phone #	713-898-8212	Project Manager	
Project Reference #			
Unique Project ID			

Summary of Times

Arrived at Site	5/9/2024 7:59 AM
Departed Site	5/9/2024 4:18 PM

Field Notes

15:32 Arrived on site and decided on a plan of attack for the site.

15:33 Seeded and raked the portion to the East and along the northeast line of the pad which is south of the main site.

15:39 Seeded the area next to and under the power lines

15:54 Drove the site boundary to get a count the open hydrovac holes left behind (49)

18:12 Seeded and raked the remainder of the site

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: North



East of pad, south of main site, facing north

Viewing Direction: East



North of pad, south of main site, facing East

Viewing Direction: Northeast



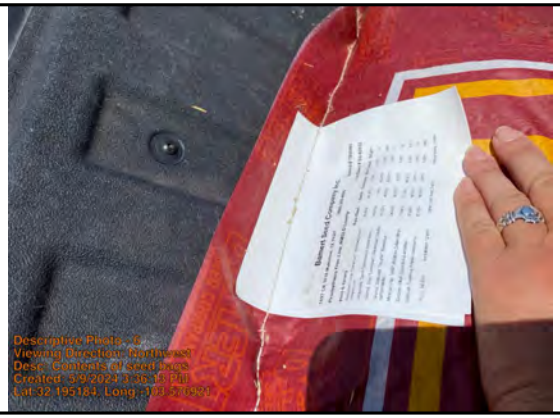
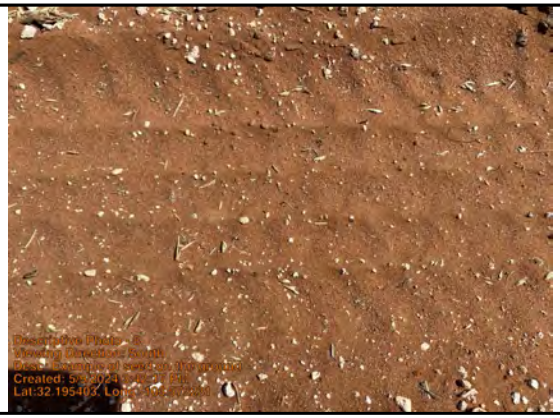
Northeast corner of pad, south of main site

Viewing Direction: South



Looking south from the northeast corner of pad, south of main site

Daily Site Visit Report

Viewing Direction: West	**Viewing Direction**: Northwest
	
Looking west along eastern side of the pad's north line, south of main site	Contents of seed bags
Viewing Direction: East	**Viewing Direction**: South
	
Eastern end of area	Example of seed on the ground

Daily Site Visit Report

Viewing Direction: West	**Viewing Direction**: East
	
Looking west at the full length of the seeded area	Looking East from the midpoint of the main site area
Viewing Direction: West	**Viewing Direction**: East
	
Looking west at the main site, raking still in progress	Western end of seeded and raked site facing west

Daily Site Visit Report

Viewing Direction: East



Western end of seeded and raked site facing East

Viewing Direction: North



Westernmost hydrovac hole

Viewing Direction: South



Hydrovac holes on the East side of the pad, south of the main site

Viewing Direction: Southwest



Two hydrovac holes between two pads on the south of the main easement site

Daily Site Visit Report

Viewing Direction: East

Long line of 38 hydrovac holes north and parallel to site

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Angela Mohle

Signature:



Daily Site Visit Report

Client	Ace Fluid Solutions	Inspection Date	5/10/2024
Site Location Name	Prometheus	API #	
Client Contact Name	Stan Peach	Project Owner	
Client Contact Phone #	713-898-8212	Project Manager	
Project Reference #			
Unique Project ID			

Summary of Times

Arrived at Site	5/10/2024 7:55 AM
Departed Site	5/10/2024 4:15 PM

Field Notes

7:56 Arrived on site, filled out paperwork and assessed the work for the day

9:16 Seeded along the north section of site and began raking.

9:18 Began seeding and raking the middle connecting piece in sections

17:33 Raking continued and will be completed before the end of the day

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: Northeast



Seeding done and raking in progress

Viewing Direction: Northeast



Small section with sand and caliche seeded and raked

Viewing Direction: East



Midpoint along the north section facing East

Viewing Direction: West



Midpoint along the north section facing west

Daily Site Visit Report

Viewing Direction: Southwest



Small southern offshoot from the north section

Viewing Direction: South



Another small offshoot from the northern section

Viewing Direction: East



Northern section from the west end looking east

Viewing Direction: West



At the very end of the northern section to the south

Daily Site Visit Report

Viewing Direction: West	**Viewing Direction**: East
	
Another area off the north section	Another area off the northern section
Viewing Direction: East	**Viewing Direction**: West
	
Another small area off the northern section	Easternmost end of northern section facing west

Daily Site Visit Report

Viewing Direction: West	**Viewing Direction**: Southeast
	
Small finger running east-west off the large connecting portion	Large connecting portion seeded and being raked

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Angela Mohle

Signature:



Daily Site Visit Report

Client:	Ace Fluid Solutions	Incident ID #:	
Site Location Name:	Prometheus	API #:	
Inspection Date:	5/19/2025		

Summary of Times

Arrived at Site	5/19/2025 1:05 PM
Departed Site	5/19/2025 3:17 PM

Field Notes

13:36 On site to document reclamation/vegetation growth progress of previously seeded site.

Assessed site, filled out safety documentation, and reviewed safety for today's activities.

15:06 I started and the southern most point of the seeded area and moved my way to the north.

15:08 I next started at the southwestern most corner moving to the east, documenting the seeded area between the pads and power lines.

15:07 I next started and the mid point of the eastern end and moved my way west, documenting the area between the power lines and lay flat lines.

15:08 Lastly, I documented the seeded area north of the lay flat lines, starting from the northwest and moving to the east.

Next Steps & Recommendations

1

Daily Site Visit Report

Site Photos

Viewing Direction: North	**Viewing Direction**: North
	
South arm/end of seeded area, facing north.	South arm/end of seeded area, facing north.
Viewing Direction: North	**Viewing Direction**: North
	
South arm/end of seeded area, facing north.	South arm/end of seeded area, facing north.

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: East
	
Lower southwest end point/arm of seeded area facing east.	Lower southwest end point/arm of seeded area facing east.
Viewing Direction: East	**Viewing Direction**: East
	
Lower southwest end point/arm of seeded area facing east.	Lower southwest end point/arm of seeded area facing east.

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: East
	
Upper western end/arm of seeded area facing east.	Upper western end/arm of seeded area facing east.
Viewing Direction: East	**Viewing Direction**: Southeast
	
Upper western end/arm of seeded area facing east.	Northwest corner of seeded area facing southeast

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: South
	
Northwest corner of seeded area facing east	Area north of western most pad

Viewing Direction: South	**Viewing Direction**: East
	
Area north of western most pad	Area south of overhead power lines and north of the center and western most pads

Daily Site Visit Report

Viewing Direction: East



Area south of overhead power lines and north of the center and western most pads

Viewing Direction: Southeast



Area south of overhead power lines and north of the center and western most pads

Viewing Direction: East



Area south of overhead power lines and north of the center pad

Daily Site Visit Report

Viewing Direction: East



Area south of overhead power lines and north of the center pad

Viewing Direction: East



Area south of overhead power lines and north of the center pad

Viewing Direction: Northwest



Southeast corner of seeded area facing northwest

Daily Site Visit Report

Viewing Direction: West	**Viewing Direction**: Southwest
	
Northeast corner of seeded area (south of lay flat lines) facing west	Seeded area north of power lines, south of lay flat lines, facing southwest
Viewing Direction: Southeast	**Viewing Direction**: West
	
Seeded area north of power lines, south of lay flat lines, facing southeast	Seeded area north of power lines, south of lay flat lines, facing west

Daily Site Visit Report

Viewing Direction: Northwest



Seeded area north of power lines, south of lay flat lines, facing northwest

Viewing Direction: West



Seeded area north of power lines, south of lay flat lines, facing west

Viewing Direction: West



Seeded area north of power lines, south of lay flat lines, facing west

Viewing Direction: Southwest



Seeded area north of power lines, south of lay flat lines, facing southwest

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: East
	
Seeded area north of lay flat lines, facing east	Seeded area north of lay flat lines, facing east
Viewing Direction: East	**Viewing Direction**: East
	
Seeded area north of lay flat lines, facing east	Seeded area north of lay flat lines, facing east

Daily Site Visit Report

Viewing Direction: East	**Viewing Direction**: West
	
Seeded area north of lay flat lines, facing east	Northeast corner (north of lay flat lines) facing west

Daily Site Visit Report

Daily Site Visit Signature

Inspector: Andrew Ludvik

Signature:



APPENDIX D – NMSLO Seed Mixture Application

Received by OCD: 6/10/2025 11:01:29 AM

4.4 SEEDING

Drill seeding is the SLO preferred method for applying and incorporating the seed into the soil surface. Other methods of seeding shall only be used when drill seeding is not possible or practical (see Table 3).

Table 3. Recommended seeding methods

Preference	Seeding Method	Situation Best Suited for Seeding Method
1st	Drill Seeding	All applications
2nd	Hydroseeding	Steep slopes – greater than 3 horizontal to 1 vertical*
3rd	Broadcast Seeding - *Mechanical*	Small areas – less than ¼ acres

*Hydroseeding may occur when more economical for smaller sites.

Seed Mixtures

The seed mixtures developed by the SLO are designed to address the soil types and post-reclamation land use, soil stabilization, erosion control issues, seed availability and seed costs. Expensive seed was only specified when absolutely required.

Seeding rates shall be doubled when hydroseeding or broadcast seeding.

The Operator should request the seed supplier to divide the specified seed mixtures into submixtures of: small seed (S), standard sized seed (D), and fluffy and thrashy seed (F).

No substitution of species, variety, or collection for non-varietal species will be allowed unless evidence is submitted in writing by the Operator to the SLO showing that the specified materials are not reasonably available during the seeding period. The substitution of a species, variety, or collection shall be made only with the written approval of the SLO, prior to making a substitution.

"Pure Live Seed" (PLS) is a means of expressing seed quality. Drills need to be calibrated on the basis of PLS/acre. The amount of PLS required for a planting is based on the quality of a given seed lot. Therefore, prior to calibrating a drill, seed lot quality must be known. PLS and bulk seed required are determined by using the seed analysis information on the seed tag in the following formula.

$$\% \text{ PLS} = [(\% \text{ germination} + \% \text{ hard or dormant}) \times \% \text{ purity})] / 100$$

$$\text{Bulk Seed (lbs/ac)} = \text{PLS seeding rate recommendation (lbs/ac)} / (\% \text{ PLS} / 100)$$

Recommended seeding rates provide an adequate amount of PLS seed per acre even though seed lots differ in seed size, shape, weight, viability, etc. The variation in individual seed lots causes the amount of bulk seed planted per acre to vary considerably while the actual PLS seeding rates remain constant.

Best Times to Seed

Seeding just prior to the summer monsoon season is recommended. The arrival of the summer monsoon season typically occurs somewhere between the middle of June through the end of August. If seeding immediately prior to the summer monsoons is not practical, the SLO recommends seeding during the monsoons, or after the monsoons and before the first frost. Seeding following the summer monsoons may be successful if rain initiates sufficient growth to allow the plants to go through cool, dry, windy, and hot weather prior to the next summer precipitation events.

Seeding during other times of the year is allowed, however, the risk of failure increases due to spring winds and early germination followed by a dry period. Seeding should not be done when the ground is frozen. Seeding may

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proceed when there is evidence of frost, providing the seedbed can be kept in a workable condition so that the seed is planted at the correct depth.

Table 4. Recommended Seeding Times

Preference	Seeding Times
1st	Prior to summer monsoon *June - August*
2nd	During summer monsoon
3rd	After summer monsoon *Before first frost*

Seed Certification

All seed utilized must be purchased through a licensed dealer and meet standards established by the New Mexico Department of Agriculture (NMDA). All seed shall be furnished in sealed, undamaged containers and shall be plainly labeled on tags in accordance with NMDA standards. Following seeding operations, the Operator shall furnish to the SLO the seed tags and one copy of a materials certification signed by the vendor. One or more random samples may be taken by the SLO or his representative prior to, or during drill seeding operations for testing and analysis by an independent seed laboratory.

Drill Seeding

Drill seeding is the most effective seeding method for revegetation of disturbed sites.

Equipment:

Only rangeland drills are recommended. Drills shall be capable of applying the seed in uniform rows spaced at a maximum of 12 inches; 6 to 8 inch spacing between drill rows is most common. Rangeland drills including Truax Flex II drills, Laird rangeland drills, Great Plains rangeland drills, and equivalent are recommended for use.

Light duty drills (drills incapable of withstanding site and soil conditions on sites to be revegetated), standard farm drills, and drills in poor working condition are not acceptable. Use of these drills will result in less than satisfactory revegetation success due to poor seed application and placement. Turf grass type seeders can be utilized, but may have difficulty seeding in rough and rocky terrain and may be subject to considerable damage.

Rangeland drills capable of seeding a variety of seed types are best. Rangeland drills generally have three seed boxes, which can be used for the 3 seed submixtures.

1. Small seed box for small seed.
2. Standard box for average, non fluffy, non trashy seed
3. Fluffy box for fluffy, trashy, or similar seed

All three boxes shall have their own flow metering system. The drill manufacturer will provide operator's instructions for setting flow rates for the drill boxes. Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).

Application Rates:

The seed mixture shall be applied at the drill seed application rate indicated in the seed mixture tables of the Revegetation Plan with adjustments for hydroseeding or broadcast seeding if needed. Variations from the specified seed mixtures must be approved in writing by the SLO.

Application rates identified in the Revegetation Plan seed mixtures are designed to address more factors than the soil type and the standard recommended seeds per acre. The application rates also address practical issues such as

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Received by OCD: 6/10/2025 11:01:29 AM

equipment efficiency, operator error, wind, wildlife impact, seed survivability, seed planting depth, and related factors that negatively impact seed placement and survival.

Seeding Depth:

The SLO recommends seed be drilled to a depth of ¼ to ½ inch regardless of the size or type.

Drill Calibration:

Calibrating the drill at the beginning of drill seeding operations is required for each seed mixture. Continual checking and adjusting the drill settings is necessary. Frequency of checking and adjustments depends on the uniformity of the mixed seed, humidity, dust and trash accumulation in the drill metering system, and variability in the roughness of the soil surface.

Drills can be calibrated by a number of different techniques. Utilize drill manufacturers calibration procedures if available; otherwise, the NMSLO recommends the following drill seeding calibration methods described by the NRCS (USDA, 1985. www.mt.nrcs.usda.gov/technical /ecs/plants/technotes/pmtechnotesMT30.html).

Hydraulic Seeding

Hydraulic seeding, or hydroseeding, is the process of broadcast seed using water and a small amount of wood fiber mulch to carry the seed via a hydroseeder. Hydroseeding is typically best suited for steep slope areas where drill seeding is not practical. While the SLO recommends drill seeding as the method of choice for all sites, economics of smaller sites may make hydroseeding more practical. Hydraulic mulching (hydromulching) shall follow hydroseeding on all sites (see section 4.5 Mulching).

Procedures

Following are the three steps for hydroseeding and hydromulching:

1. Preparing the area for seeding;
2. Hydraulic seeding; and,
3. Hydraulic mulching.

1. Preparing the Area for Seeding:

The Operator should first prepare the seedbed (seed section 4.3 Seedbed Preparation).

2. Hydraulic Seeding:

Mix seed, water, and hydraulic mulch fiber into a homogenous slurry and uniformly apply to the areas to be seeded. The slurry must be constantly agitated during application to assure even application and distribution of seed and hydromulch.

Seed should be applied at double the drill seed application rate. At least 1,000 gallons of water should be used per acre for applying the seed and hydraulic mulch. 400 pounds of hydraulic mulch fiber per acre should be included in the mixture to assist the hydroseeder applicator in visually determining the evenness of the seed application and the accuracy of the application rate.

Seed should not be left in the tank with water for more than 2 hours. If this occurs due to equipment failure, or for any other reason, then the mixed material may need to be disposed of either off-site, or applied to the slopes at the Operator's expense. If applied to the slopes, it should not be counted as applied seed and new seed will need to be applied.

3. Hydraulic Mulching (Hydromulching):

Hydromulching is a technique to provide short term soil stabilization and erosion protection while seedlings germinate and begin to establish. Hydromulching differs from hydroseeding in that only hydraulic mulch fiber and tackifier are applied during hydromulching operations. It serves the same purpose as hay mulching and crimping.

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Received by OCD: 6/10/2025 11:01:29 AM

Combining seed with all the hydromulch woodfiber and applying everything in a one step operation is highly discouraged and success will be unlikely.

For best results, measure the area(s) to be seeded, divide the disturbed area into small components, depending on the capacity of the hydroseeder, and prepare a chart or plan for determining the number of seed loads and the location(s) for each load. The hydraulic mulch and tackifier should be mixed with water and uniformly applied after seeding, preferably during the same day or within 36 hours. See section 4.5 Mulching for more details on Hydromulching.

Application Rates

Seed mixtures should be applied at double the drill seed application rates in the Revegetation Plans.

Equipment

The hydroseeder shall be equipped with a mechanical power-driven agitator capable of keeping all solids in suspension in a homogeneous slurry until distributed. The pump pressure must maintain a continuous non-fluctuating spray capable of reaching the extremities of the seeding area.

Broadcast Seeding

Broadcast seeding is recommended only for areas inaccessible to a rangeland drill, or too small to warrant the use of a rangeland drill (less than ¼ acres), the SLO recommends drill seeding in all accessible locations. Because the seed is not carefully placed in the soil profile to a controlled depth when broadcast seeding, seed is lost to environmental impacts including wind, rain, wildlife (birds and rodents), sunlight (UV light, heat) and other factors.

Application Rates:

When broadcasting, seed mixtures shall be applied at double the drill seed application rates in the Revegetation Plan.

Procedures:

Areas to be broadcast seeded should receive the same topsoil placement and seedbed preparation as drill seeded areas. If equipment access limitations exist, then some type of soil surface loosening is still necessary such that the topsoil is in a mellow, loosened condition. If slopes are too steep to apply on the contour by drill seeding, broadcast up and down the slope or at a diagonal. Broadcast seeding should not be done during windy conditions.

Do not broadcast an area larger than can be quickly raked, dragged, or chained to cover the seed (within approximately 30 minutes after broadcasting). The seed should be covered approximately ¼ to ½ inches by raking, dragging, chaining, or chain harrowing, unless prevented by equipment access limitations. Care should be taken by the operators and laborers to minimize dragging seed down slope or dragging seed off high spots and concentrating that seed in the low spots. Failure to cover the seed soon after broadcasting, or at all, may result in revegetation failure.

Equipment:

Mechanical broadcast seeding is always recommended over hand broadcast seeding. Mechanical broadcast seeding can be accomplished with any equipment that will evenly spread the seed on the soil surface. A broad range of hand held, ATV mounted, 3-point, and pull type broadcast spreaders are available on the market.

Mechanical broadcasting units must be capable of distributing fluffy and thrashy seed. Most residential type units are not capable. One example of a mechanical broadcasting unit capable of handling fuffy/thrashy seed is distributed by Truax (http://www.truaxcomp.com/seed-slinger.html), other types are available.

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NMSLO Seed Mix Shallow (SH)

SHALLOW (SH) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Sideoats grama	Vaughn, El Reno	4.0	F
Blue grama	Lovington, Hachita	3.0	D
Little bluestem	Pastura, Cimmaron	1.5	F
Green sprangletop	VNS, Southern	1.0	D
Plains bristlegrass	VNS, Southern	1.0	D
Forbs:			
Firewheel (*Gaillardia*)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
	Total PLS/acre	**13.0**	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.

NMSLO Seed Mix — Lime – Gypsum (LG)

LIME – GYPSUM (LG) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Black grama	**VNS, Southern**	**1.0**	**D**
Blue grama	**Lovington**	**1.0**	**D**
Sideoats grama	**Vaughn, El Reno**	**4.0**	**F**
Plains bristlegrass	**VNS, Southern**	**2.0**	**D**
Sand dropseed	**VNS, Southern**	**2.0**	**S**
Forbs:			
Firewheel (*Gaillardia*)	**VNS, Southern**	**1.0**	**D**
Annual Sunflower	**VNS, Southern**	**1.0**	**D**
Shrubs:			
Fourwing saltbush	**VNS, Southern**	**1.0**	**F**
	Total PLS/acre	**13.0**	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.

NMSLO Seed Mix — Loamy (L)

LOAMY (L) SITES SEED MIXTURE:

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	F
Sand dropseed	VNS, Southern	2.0	S
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:			
Firewheel (*Gaillardia*)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
	Total PLS/acre	18.0	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at http://plants.usda.gov.

APPENDIX E – Custom Soil Resource Report

Lea County, New Mexico

PU—Pyote and Maljamar fine sands

Map Unit Setting

National map unit symbol: dmqq
Elevation: 3,000 to 3,900 feet
Mean annual precipitation: 10 to 12 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

Pyote and similar soils: 46 percent
Maljamar and similar soils: 44 percent
Minor components: 10 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Pyote

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

Typical profile

A - 0 to 30 inches: fine sand
Bt - 30 to 60 inches: fine sandy loam

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Runoff class: Negligible
Capacity of the most limiting layer to transmit water (Ksat): High (2.00 to 6.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 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: Low (about 5.1 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: A
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Description of Maljamar

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

Typical profile

A - 0 to 24 inches: fine sand
Bt - 24 to 50 inches: sandy clay loam
Bkm - 50 to 60 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 40 to 60 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very low
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 5 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: Low (about 5.6 inches)

Interpretive groups

Land capability classification (irrigated): 6e
Land capability classification (nonirrigated): 7e
Hydrologic Soil Group: B
Ecological site: R070BD003NM - Loamy Sand
Hydric soil rating: No

Minor Components

Kermit

Percent of map unit: 10 percent
Ecological site: R070BC022NM - Sandhills
Hydric soil rating: No

APPENDIX F – Laboratory Data Reports and Chain of Custody Forms

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 11, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2309H61

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 10 sample(s) on 9/30/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-01 4'
Project: Prometheus
Collection Date: 9/28/2023 8:50:00 AM
Lab ID: 2309H61-001 **Matrix:** SOIL
Received Date: 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/4/2023 1:34:15 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/4/2023 1:34:15 AM
Surr: DNOP	113	69-147		%Rec	1	10/4/2023 1:34:15 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/4/2023 2:03:00 AM
Surr: BFB	103	15-244		%Rec	1	10/4/2023 2:03:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	10/4/2023 2:03:00 AM
Toluene	ND	0.048		mg/Kg	1	10/4/2023 2:03:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/4/2023 2:03:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	10/4/2023 2:03:00 AM
Surr: 4-Bromofluorobenzene	92.7	39.1-146		%Rec	1	10/4/2023 2:03:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	200	60		mg/Kg	20	10/4/2023 6:04:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-02 4'
Project: Prometheus
Collection Date: 9/28/2023 8:55:00 AM
Lab ID: 2309H61-002 **Matrix:** SOIL
Received Date: 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/3/2023 3:42:05 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/3/2023 3:42:05 PM
Surr: DNOP	106	69-147		%Rec	1	10/3/2023 3:42:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/4/2023 7:12:27 PM
Surr: BFB	90.0	15-244		%Rec	1	10/4/2023 7:12:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/4/2023 7:12:27 PM
Toluene	ND	0.049		mg/Kg	1	10/4/2023 7:12:27 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/4/2023 7:12:27 PM
Xylenes, Total	ND	0.098		mg/Kg	1	10/4/2023 7:12:27 PM
Surr: 4-Bromofluorobenzene	97.2	39.1-146		%Rec	1	10/4/2023 7:12:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	290	60		mg/Kg	20	10/4/2023 7:06:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-03 4'
Project: Prometheus
Collection Date: 9/28/2023 9:00:00 AM
Lab ID: 2309H61-003 **Matrix:** SOIL **Received Date:** 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/3/2023 3:52:49 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/3/2023 3:52:49 PM
Surr: DNOP	92.4	69-147		%Rec	1	10/3/2023 3:52:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/4/2023 8:22:32 PM
Surr: BFB	92.8	15-244		%Rec	1	10/4/2023 8:22:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/4/2023 8:22:32 PM
Toluene	ND	0.048		mg/Kg	1	10/4/2023 8:22:32 PM
Ethylbenzene	ND	0.048		mg/Kg	1	10/4/2023 8:22:32 PM
Xylenes, Total	ND	0.096		mg/Kg	1	10/4/2023 8:22:32 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/4/2023 8:22:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	470	60		mg/Kg	20	10/4/2023 7:18:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-04 4'
Project: Prometheus
Collection Date: 9/28/2023 9:00:00 AM
Lab ID: 2309H61-004 **Matrix:** SOIL
Received Date: 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/3/2023 4:03:31 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/3/2023 4:03:31 PM
Surr: DNOP	97.7	69-147		%Rec	1	10/3/2023 4:03:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/4/2023 9:32:58 PM
Surr: BFB	89.8	15-244		%Rec	1	10/4/2023 9:32:58 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	10/4/2023 9:32:58 PM
Toluene	ND	0.047		mg/Kg	1	10/4/2023 9:32:58 PM
Ethylbenzene	ND	0.047		mg/Kg	1	10/4/2023 9:32:58 PM
Xylenes, Total	ND	0.094		mg/Kg	1	10/4/2023 9:32:58 PM
Surr: 4-Bromofluorobenzene	98.4	39.1-146		%Rec	1	10/4/2023 9:32:58 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	85	60		mg/Kg	20	10/4/2023 7:30:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-05 4'
Project: Prometheus
Collection Date: 9/28/2023 9:05:00 AM
Lab ID: 2309H61-005 **Matrix:** SOIL **Received Date:** 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/3/2023 4:14:15 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/3/2023 4:14:15 PM
Surr: DNOP	94.4	69-147		%Rec	1	10/3/2023 4:14:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/4/2023 9:56:27 PM
Surr: BFB	89.0	15-244		%Rec	1	10/4/2023 9:56:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/4/2023 9:56:27 PM
Toluene	ND	0.049		mg/Kg	1	10/4/2023 9:56:27 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/4/2023 9:56:27 PM
Xylenes, Total	ND	0.098		mg/Kg	1	10/4/2023 9:56:27 PM
Surr: 4-Bromofluorobenzene	97.0	39.1-146		%Rec	1	10/4/2023 9:56:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	680	60		mg/Kg	20	10/4/2023 7:43:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-06 4'
Project: Prometheus
Collection Date: 9/28/2023 9:10:00 AM
Lab ID: 2309H61-006 **Matrix:** SOIL **Received Date:** 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/3/2023 4:24:58 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/3/2023 4:24:58 PM
Surr: DNOP	103	69-147		%Rec	1	10/3/2023 4:24:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/4/2023 10:20:01 PM
Surr: BFB	89.7	15-244		%Rec	1	10/4/2023 10:20:01 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/4/2023 10:20:01 PM
Toluene	ND	0.049		mg/Kg	1	10/4/2023 10:20:01 PM
Ethylbenzene	ND	0.049		mg/Kg	1	10/4/2023 10:20:01 PM
Xylenes, Total	ND	0.098		mg/Kg	1	10/4/2023 10:20:01 PM
Surr: 4-Bromofluorobenzene	97.9	39.1-146		%Rec	1	10/4/2023 10:20:01 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	3100	150		mg/Kg	50	10/5/2023 8:10:30 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-07 4'
Project: Prometheus
Collection Date: 9/28/2023 9:10:00 AM
Lab ID: 2309H61-007 **Matrix:** SOIL **Received Date:** 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/3/2023 4:35:39 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/3/2023 4:35:39 PM
Surr: DNOP	98.4	69-147		%Rec	1	10/3/2023 4:35:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/4/2023 10:43:24 PM
Surr: BFB	92.9	15-244		%Rec	1	10/4/2023 10:43:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/4/2023 10:43:24 PM
Toluene	ND	0.050		mg/Kg	1	10/4/2023 10:43:24 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/4/2023 10:43:24 PM
Xylenes, Total	ND	0.099		mg/Kg	1	10/4/2023 10:43:24 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/4/2023 10:43:24 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2600	150		mg/Kg	50	10/5/2023 8:22:54 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-08 4'
Project: Prometheus
Collection Date: 9/28/2023 9:13:00 AM
Lab ID: 2309H61-008 **Matrix:** SOIL **Received Date:** 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/3/2023 4:46:23 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/3/2023 4:46:23 PM
Surr: DNOP	86.8	69-147		%Rec	1	10/3/2023 4:46:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/4/2023 11:06:51 PM
Surr: BFB	90.7	15-244		%Rec	1	10/4/2023 11:06:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/4/2023 11:06:51 PM
Toluene	ND	0.048		mg/Kg	1	10/4/2023 11:06:51 PM
Ethylbenzene	ND	0.048		mg/Kg	1	10/4/2023 11:06:51 PM
Xylenes, Total	ND	0.097		mg/Kg	1	10/4/2023 11:06:51 PM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	10/4/2023 11:06:51 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1600	61		mg/Kg	20	10/4/2023 8:20:06 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-09 4'
Project: Prometheus
Collection Date: 9/28/2023 9:15:00 AM
Lab ID: 2309H61-009 **Matrix:** SOIL **Received Date:** 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/3/2023 4:57:03 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/3/2023 4:57:03 PM
Surr: DNOP	101	69-147		%Rec	1	10/3/2023 4:57:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/4/2023 11:30:27 PM
Surr: BFB	91.8	15-244		%Rec	1	10/4/2023 11:30:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/4/2023 11:30:27 PM
Toluene	ND	0.050		mg/Kg	1	10/4/2023 11:30:27 PM
Ethylbenzene	ND	0.050		mg/Kg	1	10/4/2023 11:30:27 PM
Xylenes, Total	ND	0.10		mg/Kg	1	10/4/2023 11:30:27 PM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/4/2023 11:30:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	5700	300		mg/Kg	100	10/5/2023 8:35:19 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H61**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-10 4'
Project: Prometheus
Collection Date: 9/28/2023 9:20:00 AM
Lab ID: 2309H61-010 **Matrix:** SOIL
Received Date: 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/3/2023 5:07:43 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/3/2023 5:07:43 PM
Surr: DNOP	103	69-147		%Rec	1	10/3/2023 5:07:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/4/2023 11:53:54 PM
Surr: BFB	89.1	15-244		%Rec	1	10/4/2023 11:53:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/4/2023 11:53:54 PM
Toluene	ND	0.048		mg/Kg	1	10/4/2023 11:53:54 PM
Ethylbenzene	ND	0.048		mg/Kg	1	10/4/2023 11:53:54 PM
Xylenes, Total	ND	0.096		mg/Kg	1	10/4/2023 11:53:54 PM
Surr: 4-Bromofluorobenzene	97.4	39.1-146		%Rec	1	10/4/2023 11:53:54 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1100	60		mg/Kg	20	10/4/2023 8:44:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H61**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-77946**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **77946**	RunNo: **100228**
Prep Date: **10/4/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669493** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77946**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **77946**	RunNo: **100228**
Prep Date: **10/4/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669494** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H61**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-77896**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77896**	RunNo: **100166**
Prep Date: **10/2/2023**	Analysis Date: **10/3/2023**	SeqNo: **3667641** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62	10	50.00	0	123	61.9	130			
Surr: DNOP	6.1		5.000		122	69	147			

Sample ID: **MB-77896**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77896**	RunNo: **100166**
Prep Date: **10/2/2023**	Analysis Date: **10/3/2023**	SeqNo: **3667643** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.5	69	147			

Sample ID: **MB-77895**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77895**	RunNo: **100187**
Prep Date: **10/2/2023**	Analysis Date: **10/3/2023**	SeqNo: **3667657** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	12		10.00		118	69	147			

Sample ID: **LCS-77895**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77895**	RunNo: **100187**
Prep Date: **10/2/2023**	Analysis Date: **10/3/2023**	SeqNo: **3667658** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	107	61.9	130			
Surr: DNOP	5.3		5.000		107	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H61**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-77886**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **77886**	RunNo: **100169**
Prep Date: **10/2/2023**	Analysis Date: **10/3/2023**	SeqNo: **3667273** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.3	70	130			
Surr: BFB	2300		1000		229	15	244			

Sample ID: **mb-77886**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77886**	RunNo: **100169**
Prep Date: **10/2/2023**	Analysis Date: **10/3/2023**	SeqNo: **3667275** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	15	244			

Sample ID: **lcs-77889**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669113** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.6	70	130			
Surr: BFB	1900		1000		193	15	244			

Sample ID: **mb-77889**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669115** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.3	15	244			

Sample ID: **2309h61-002ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-02 4'**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669187** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.41	0	98.0	70	130			
Surr: BFB	1900		976.6		198	15	244			

Sample ID: **2309h61-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-02 4'**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669190** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H61**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2309h61-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-02 4'**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669190** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.44	0	97.0	70	130	0.887	20	
Surr: BFB	1900		977.5		199	15	244	0	0	

Sample ID: **lcs-77917**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **77917**	RunNo: **100246**
Prep Date: **10/3/2023**	Analysis Date: **10/5/2023**	SeqNo: **3671342** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2200		1000		221	15	244			

Sample ID: **mb-77917**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77917**	RunNo: **100246**
Prep Date: **10/3/2023**	Analysis Date: **10/5/2023**	SeqNo: **3671345** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	990		1000		98.6	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H61**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-77889**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669239** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	70	130			
Toluene	1.0	0.050	1.000	0	103	70	130			
Ethylbenzene	1.0	0.050	1.000	0	104	70	130			
Xylenes, Total	3.1	0.10	3.000	0	104	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **mb-77889**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669240** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **2309h61-003ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-03 4'**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669252** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.024	0.9542	0	103	70	130			
Toluene	1.0	0.048	0.9542	0	105	70	130			
Ethylbenzene	0.99	0.048	0.9542	0	104	70	130			
Xylenes, Total	3.0	0.095	2.863	0	105	70	130			
Surr: 4-Bromofluorobenzene	0.96		0.9542		101	39.1	146			

Sample ID: **2309h61-003amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-03 4'**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669253** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.024	0.9551	0	103	70	130	0.183	20	
Toluene	1.0	0.048	0.9551	0	105	70	130	0.373	20	
Ethylbenzene	1.0	0.048	0.9551	0	106	70	130	1.54	20	
Xylenes, Total	3.0	0.096	2.865	0	106	70	130	0.899	20	
Surr: 4-Bromofluorobenzene	0.97		0.9551		102	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H61**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-77886**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77886**	RunNo: **100246**
Prep Date: **10/2/2023**	Analysis Date: **10/5/2023**	SeqNo: **3671285** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.3	70	130			
Toluene	0.91	0.050	1.000	0	90.6	70	130			
Ethylbenzene	0.92	0.050	1.000	0	92.4	70	130			
Xylenes, Total	2.8	0.10	3.000	0	92.4	70	130			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	39.1	146			

Sample ID: **mb-77886**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77886**	RunNo: **100246**
Prep Date: **10/2/2023**	Analysis Date: **10/5/2023**	SeqNo: **3671286** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		90.6	39.1	146			

Sample ID: **lcs-77917**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77917**	RunNo: **100246**
Prep Date: **10/3/2023**	Analysis Date: **10/5/2023**	SeqNo: **3671299** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.91		1.000		91.2	39.1	146			

Sample ID: **mb-77917**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77917**	RunNo: **100246**
Prep Date: **10/3/2023**	Analysis Date: **10/5/2023**	SeqNo: **3671300** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.88		1.000		88.2	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Services, Inc.

Work Order Number: 2309H61

RcptNo: 1

Received By: Tracy Casarrubias 9/30/2023 8:10:00 AM

Completed By: Tracy Casarrubias 9/30/2023 8:52:47 AM

Reviewed By: TM 10/2/23

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☑ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: TMC 9/30/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 9/30/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: On file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 72 hr TAT

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffit

Sampler: SPC

On Ice: ☑ Yes ☐ No yogi

# of Coolers: 1

Cooler Temp(Including CF): 3.0+0.1=3.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name		Container Type and #	Preservative Type	HEAL No. 2309H61	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
09/28/2023	08:50	Soil	BS23-01	4	4oz:1Jar	ICE	001	X	X					X			
	08:55		BS23-02	4			002										
	09:00		BS23-03	4			003										
	09:00		BS23-04	4			004										
	09:05		BS23-05	4			005										
	09:10		BS23-06	4			006										
	09:10		BS23-07	4			007										
	09:13		BS23-08	4			008										
	09:15		BS23-09	4			009										
	09:20		BS23-10	4			010										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
09/28/2023	17:15				9/29/23	900
9/29/23	1900			courier	9/30/23	8:10

Remarks:
CC: Scastro@vertex.ca
ACastro@vertex.ca

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 06, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311C29

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 5 sample(s) on 11/28/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311C29**
Date Reported: **12/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-34 4'
Project: Prometheus
Collection Date: 11/17/2023 10:45:00 AM
Lab ID: 2311C29-001 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/30/2023 4:26:18 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/30/2023 4:26:18 PM
Surr: DNOP	86.4	69-147		%Rec	1	11/30/2023 4:26:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2023 2:06:00 PM
Surr: BFB	98.2	15-244		%Rec	1	11/29/2023 2:06:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/29/2023 2:06:00 PM
Toluene	ND	0.048		mg/Kg	1	11/29/2023 2:06:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2023 2:06:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/29/2023 2:06:00 PM
Surr: 4-Bromofluorobenzene	95.4	39.1-146		%Rec	1	11/29/2023 2:06:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	570	60		mg/Kg	20	11/30/2023 4:51:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C29**
Date Reported: **12/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-116 4'
Project: Prometheus
Collection Date: 11/17/2023 11:15:00 AM
Lab ID: 2311C29-002 **Matrix:** SOIL **Received Date:** 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/30/2023 4:37:02 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2023 4:37:02 PM
Surr: DNOP	112	69-147		%Rec	1	11/30/2023 4:37:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/29/2023 2:27:00 PM
Surr: BFB	97.5	15-244		%Rec	1	11/29/2023 2:27:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	11/29/2023 2:27:00 PM
Toluene	ND	0.046		mg/Kg	1	11/29/2023 2:27:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	11/29/2023 2:27:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	11/29/2023 2:27:00 PM
Surr: 4-Bromofluorobenzene	91.9	39.1-146		%Rec	1	11/29/2023 2:27:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	830	60		mg/Kg	20	11/30/2023 5:03:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C29**
Date Reported: **12/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-117 4'
Project: Prometheus
Collection Date: 11/17/2023 11:15:00 AM
Lab ID: 2311C29-003 **Matrix:** SOIL **Received Date:** 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	11/30/2023 4:47:47 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/30/2023 4:47:47 PM
Surr: DNOP	111	69-147		%Rec	1	11/30/2023 4:47:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2023 2:49:00 PM
Surr: BFB	99.2	15-244		%Rec	1	11/29/2023 2:49:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/29/2023 2:49:00 PM
Toluene	ND	0.049		mg/Kg	1	11/29/2023 2:49:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2023 2:49:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2023 2:49:00 PM
Surr: 4-Bromofluorobenzene	93.7	39.1-146		%Rec	1	11/29/2023 2:49:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	600	60		mg/Kg	20	11/30/2023 5:16:06 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C29**
Date Reported: **12/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-118 4'
Project: Prometheus
Collection Date: 11/17/2023 11:20:00 AM
Lab ID: 2311C29-004 **Matrix:** SOIL **Received Date:** 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/30/2023 4:58:29 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2023 4:58:29 PM
Surr: DNOP	87.9	69-147		%Rec	1	11/30/2023 4:58:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2023 3:11:00 PM
Surr: BFB	104	15-244		%Rec	1	11/29/2023 3:11:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/29/2023 3:11:00 PM
Toluene	ND	0.048		mg/Kg	1	11/29/2023 3:11:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2023 3:11:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2023 3:11:00 PM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	11/29/2023 3:11:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	780	60		mg/Kg	20	11/30/2023 5:28:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C29**
Date Reported: **12/6/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-119 4'
Project: Prometheus
Collection Date: 11/17/2023 11:20:00 AM
Lab ID: 2311C29-005 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	11/30/2023 5:09:21 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/30/2023 5:09:21 PM
Surr: DNOP	112	69-147		%Rec	1	11/30/2023 5:09:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/29/2023 3:33:00 PM
Surr: BFB	101	15-244		%Rec	1	11/29/2023 3:33:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/29/2023 3:33:00 PM
Toluene	ND	0.048		mg/Kg	1	11/29/2023 3:33:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/29/2023 3:33:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/29/2023 3:33:00 PM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	11/29/2023 3:33:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	330	60		mg/Kg	20	11/30/2023 5:40:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311C29**

06-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79058**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79058**	RunNo: **101523**
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3737381** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79058**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79058**	RunNo: **101523**
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3737382** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311C29**

06-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79059**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79059**	RunNo: **101517**
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3736831** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	103	61.9	130			
Surr: DNOP	4.8		5.000		95.2	69	147			

Sample ID: **MB-79059**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79059**	RunNo: **101517**
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3736834** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.5	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311C29**

06-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79020**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79020**	RunNo: **101489**
Prep Date: **11/28/2023**	Analysis Date: **11/29/2023**	SeqNo: **3735681** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.6	70	130			
Surr: BFB	2100		1000		206	15	244			

Sample ID: **MB-79020**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79020**	RunNo: **101489**
Prep Date: **11/28/2023**	Analysis Date: **11/29/2023**	SeqNo: **3735682** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311C29**

06-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79020**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79020**	RunNo: **101489**
Prep Date: **11/28/2023**	Analysis Date: **11/29/2023**	SeqNo: **3735824** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.8	70	130			
Toluene	0.96	0.050	1.000	0	96.0	70	130			
Ethylbenzene	0.97	0.050	1.000	0	97.5	70	130			
Xylenes, Total	2.9	0.10	3.000	0	96.9	70	130			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	39.1	146			

Sample ID: **mb-79020**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79020**	RunNo: **101489**
Prep Date: **11/28/2023**	Analysis Date: **11/29/2023**	SeqNo: **3735825** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2311C29 | RcptNo: 1

Received By: Juan Rojas 11/28/2023 7:40:00 AM

Completed By: Tracy Casarrubias 11/28/2023 8:24:37 AM

Reviewed By: JR 11/28/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: SCM 11/28/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 11/28/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.4	Good	Yes	Morty		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: On File

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush 72 hours

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler:

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Marty

Cooler Temp (including CF): 0.5-0.1=0.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311C29	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/17/23	1045	Soil	BS23-34 4'	4oz	Ice	001	✓	✓					✓			
	1115		BS23-116 4'			002										
	1115		BS23-117 4'			003										
	1120		BS23-118 4'			004										
	1120		BS23-119 4'			005										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/17/23	1645	Brenda Alvarez				
11/27/23	1900			courier	11/28/23	7:40

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 14, 2023

Kent Stallings

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311066

Dear Kent Stallings:

Eurofins Environment Testing South Central, LLC received 28 sample(s) on 11/2/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-39 0-4'
Project: Prometheus
Collection Date: 10/31/2023 10:00:00 AM
Lab ID: 2311066-001 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2023 12:27:27 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2023 12:27:27 PM
Surr: DNOP	99.7	69-147		%Rec	1	11/3/2023 12:27:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/4/2023 12:25:00 PM
Surr: BFB	103	15-244		%Rec	1	11/4/2023 12:25:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	11/4/2023 12:25:00 PM
Toluene	ND	0.050		mg/Kg	1	11/4/2023 12:25:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/4/2023 12:25:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/4/2023 12:25:00 PM
Surr: 4-Bromofluorobenzene	89.3	39.1-146		%Rec	1	11/4/2023 12:25:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	79	60		mg/Kg	20	11/6/2023 2:33:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-40 0-4'
Project: Prometheus
Collection Date: 10/31/2023 10:00:00 AM
Lab ID: 2311066-002 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2023 12:38:08 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2023 12:38:08 PM
Surr: DNOP	104	69-147		%Rec	1	11/3/2023 12:38:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/4/2023 1:30:00 PM
Surr: BFB	103	15-244		%Rec	1	11/4/2023 1:30:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 1:30:00 PM
Toluene	ND	0.049		mg/Kg	1	11/4/2023 1:30:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/4/2023 1:30:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/4/2023 1:30:00 PM
Surr: 4-Bromofluorobenzene	90.0	39.1-146		%Rec	1	11/4/2023 1:30:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	83	60		mg/Kg	20	11/6/2023 3:10:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-41 0-4'
Project: Prometheus **Collection Date:** 10/31/2023 10:00:00 AM
Lab ID: 2311066-003 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/3/2023 12:48:50 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2023 12:48:50 PM
Surr: DNOP	103	69-147		%Rec	1	11/3/2023 12:48:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/4/2023 1:52:00 PM
Surr: BFB	100	15-244		%Rec	1	11/4/2023 1:52:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 1:52:00 PM
Toluene	ND	0.047		mg/Kg	1	11/4/2023 1:52:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/4/2023 1:52:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/4/2023 1:52:00 PM
Surr: 4-Bromofluorobenzene	88.7	39.1-146		%Rec	1	11/4/2023 1:52:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	110	60		mg/Kg	20	11/6/2023 3:47:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-42 0-4'
Project: Prometheus
Collection Date: 10/31/2023 10:05:00 AM
Lab ID: 2311066-004 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2023 12:59:29 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2023 12:59:29 PM
Surr: DNOP	99.5	69-147		%Rec	1	11/3/2023 12:59:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/4/2023 2:14:00 PM
Surr: BFB	102	15-244		%Rec	1	11/4/2023 2:14:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 2:14:00 PM
Toluene	ND	0.047		mg/Kg	1	11/4/2023 2:14:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/4/2023 2:14:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/4/2023 2:14:00 PM
Surr: 4-Bromofluorobenzene	87.9	39.1-146		%Rec	1	11/4/2023 2:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	11/6/2023 3:59:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-43 0-4'
Project: Prometheus **Collection Date:** 10/31/2023 1:55:00 PM
Lab ID: 2311066-005 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2023 1:10:11 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2023 1:10:11 PM
Surr: DNOP	101	69-147		%Rec	1	11/3/2023 1:10:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/4/2023 2:35:00 PM
Surr: BFB	99.8	15-244		%Rec	1	11/4/2023 2:35:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 2:35:00 PM
Toluene	ND	0.048		mg/Kg	1	11/4/2023 2:35:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/4/2023 2:35:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/4/2023 2:35:00 PM
Surr: 4-Bromofluorobenzene	86.8	39.1-146		%Rec	1	11/4/2023 2:35:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	180	60		mg/Kg	20	11/6/2023 4:12:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-65 0-4'
Project: Prometheus **Collection Date:** 10/31/2023 10:05:00 AM
Lab ID: 2311066-006 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/3/2023 1:20:52 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2023 1:20:52 PM
Surr: DNOP	99.2	69-147		%Rec	1	11/3/2023 1:20:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/4/2023 2:57:00 PM
Surr: BFB	105	15-244		%Rec	1	11/4/2023 2:57:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 2:57:00 PM
Toluene	ND	0.048		mg/Kg	1	11/4/2023 2:57:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/4/2023 2:57:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/4/2023 2:57:00 PM
Surr: 4-Bromofluorobenzene	86.8	39.1-146		%Rec	1	11/4/2023 2:57:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	11/6/2023 4:24:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-66 0-4'
Project: Prometheus
Collection Date: 10/31/2023 10:05:00 AM
Lab ID: 2311066-007 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2023 1:42:15 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2023 1:42:15 PM
Surr: DNOP	101	69-147		%Rec	1	11/3/2023 1:42:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/4/2023 3:19:00 PM
Surr: BFB	102	15-244		%Rec	1	11/4/2023 3:19:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 3:19:00 PM
Toluene	ND	0.047		mg/Kg	1	11/4/2023 3:19:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/4/2023 3:19:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/4/2023 3:19:00 PM
Surr: 4-Bromofluorobenzene	85.3	39.1-146		%Rec	1	11/4/2023 3:19:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	63	60		mg/Kg	20	11/6/2023 5:01:58 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-67 0-4'
Project: Prometheus
Collection Date: 10/31/2023 3:05:00 PM
Lab ID: 2311066-008 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/3/2023 1:53:02 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2023 1:53:02 PM
Surr: DNOP	103	69-147		%Rec	1	11/3/2023 1:53:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/4/2023 3:41:00 PM
Surr: BFB	99.7	15-244		%Rec	1	11/4/2023 3:41:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	11/4/2023 3:41:00 PM
Toluene	ND	0.046		mg/Kg	1	11/4/2023 3:41:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	11/4/2023 3:41:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	11/4/2023 3:41:00 PM
Surr: 4-Bromofluorobenzene	85.3	39.1-146		%Rec	1	11/4/2023 3:41:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	120	60		mg/Kg	20	11/6/2023 5:14:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-84 4'
Project: Prometheus
Collection Date: 10/31/2023 3:00:00 PM
Lab ID: 2311066-009 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2023 2:03:46 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2023 2:03:46 PM
Surr: DNOP	103	69-147		%Rec	1	11/3/2023 2:03:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/4/2023 4:02:00 PM
Surr: BFB	105	15-244		%Rec	1	11/4/2023 4:02:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 4:02:00 PM
Toluene	ND	0.048		mg/Kg	1	11/4/2023 4:02:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/4/2023 4:02:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/4/2023 4:02:00 PM
Surr: 4-Bromofluorobenzene	88.3	39.1-146		%Rec	1	11/4/2023 4:02:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	510	60		mg/Kg	20	11/6/2023 5:26:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-85 4'
Project: Prometheus **Collection Date:** 10/31/2023 3:00:00 PM
Lab ID: 2311066-010 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2023 2:14:34 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2023 2:14:34 PM
Surr: DNOP	105	69-147		%Rec	1	11/3/2023 2:14:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/4/2023 4:46:00 PM
Surr: BFB	107	15-244		%Rec	1	11/4/2023 4:46:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	11/4/2023 4:46:00 PM
Toluene	ND	0.046		mg/Kg	1	11/4/2023 4:46:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	11/4/2023 4:46:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	11/4/2023 4:46:00 PM
Surr: 4-Bromofluorobenzene	91.3	39.1-146		%Rec	1	11/4/2023 4:46:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	550	60		mg/Kg	20	11/6/2023 5:39:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-86 4'
Project: Prometheus
Collection Date: 10/31/2023 2:55:00 PM
Lab ID: 2311066-011 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/3/2023 2:25:24 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/3/2023 2:25:24 PM
Surr: DNOP	106	69-147		%Rec	1	11/3/2023 2:25:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/4/2023 5:08:00 PM
Surr: BFB	106	15-244		%Rec	1	11/4/2023 5:08:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 5:08:00 PM
Toluene	ND	0.047		mg/Kg	1	11/4/2023 5:08:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/4/2023 5:08:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/4/2023 5:08:00 PM
Surr: 4-Bromofluorobenzene	89.8	39.1-146		%Rec	1	11/4/2023 5:08:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	200	60		mg/Kg	20	11/6/2023 5:51:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-87 4'
Project: Prometheus
Collection Date: 10/31/2023 2:50:00 PM
Lab ID: 2311066-012 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/3/2023 2:36:16 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/3/2023 2:36:16 PM
Surr: DNOP	108	69-147		%Rec	1	11/3/2023 2:36:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/4/2023 5:29:00 PM
Surr: BFB	105	15-244		%Rec	1	11/4/2023 5:29:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 5:29:00 PM
Toluene	ND	0.049		mg/Kg	1	11/4/2023 5:29:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/4/2023 5:29:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/4/2023 5:29:00 PM
Surr: 4-Bromofluorobenzene	88.0	39.1-146		%Rec	1	11/4/2023 5:29:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	670	60		mg/Kg	20	11/6/2023 6:04:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-88 4'
Project: Prometheus
Collection Date: 10/31/2023 2:50:00 PM
Lab ID: 2311066-013 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/3/2023 2:47:09 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/3/2023 2:47:09 PM
Surr: DNOP	118	69-147		%Rec	1	11/3/2023 2:47:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/4/2023 5:51:00 PM
Surr: BFB	102	15-244		%Rec	1	11/4/2023 5:51:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	11/4/2023 5:51:00 PM
Toluene	ND	0.050		mg/Kg	1	11/4/2023 5:51:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/4/2023 5:51:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/4/2023 5:51:00 PM
Surr: 4-Bromofluorobenzene	89.7	39.1-146		%Rec	1	11/4/2023 5:51:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1500	60		mg/Kg	20	11/6/2023 6:16:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-89 4'
Project: Prometheus
Collection Date: 10/31/2023 2:45:00 PM
Lab ID: 2311066-014 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/3/2023 2:58:10 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/3/2023 2:58:10 PM
Surr: DNOP	114	69-147		%Rec	1	11/3/2023 2:58:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/4/2023 6:13:00 PM
Surr: BFB	107	15-244		%Rec	1	11/4/2023 6:13:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 6:13:00 PM
Toluene	ND	0.049		mg/Kg	1	11/4/2023 6:13:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/4/2023 6:13:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/4/2023 6:13:00 PM
Surr: 4-Bromofluorobenzene	89.6	39.1-146		%Rec	1	11/4/2023 6:13:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	2100	60		mg/Kg	20	11/6/2023 6:28:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-90 4'
Project: Prometheus **Collection Date:** 10/31/2023 2:45:00 PM
Lab ID: 2311066-015 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2023 3:09:12 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2023 3:09:12 PM
Surr: DNOP	108	69-147		%Rec	1	11/3/2023 3:09:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/4/2023 6:34:00 PM
Surr: BFB	101	15-244		%Rec	1	11/4/2023 6:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 6:34:00 PM
Toluene	ND	0.048		mg/Kg	1	11/4/2023 6:34:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/4/2023 6:34:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/4/2023 6:34:00 PM
Surr: 4-Bromofluorobenzene	86.0	39.1-146		%Rec	1	11/4/2023 6:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1200	60		mg/Kg	20	11/6/2023 6:41:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-91 4'
Project: Prometheus
Collection Date: 10/31/2023 2:00:00 PM
Lab ID: 2311066-016 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2023 3:20:11 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2023 3:20:11 PM
Surr: DNOP	111	69-147		%Rec	1	11/3/2023 3:20:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/4/2023 6:56:00 PM
Surr: BFB	101	15-244		%Rec	1	11/4/2023 6:56:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	11/4/2023 6:56:00 PM
Toluene	ND	0.050		mg/Kg	1	11/4/2023 6:56:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/4/2023 6:56:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	11/4/2023 6:56:00 PM
Surr: 4-Bromofluorobenzene	86.4	39.1-146		%Rec	1	11/4/2023 6:56:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1700	60		mg/Kg	20	11/6/2023 6:53:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-92 4'
Project: Prometheus
Collection Date: 10/31/2023 12:20:00 PM
Lab ID: 2311066-017 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/3/2023 3:31:13 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/3/2023 3:31:13 PM
Surr: DNOP	114	69-147		%Rec	1	11/3/2023 3:31:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/4/2023 7:18:00 PM
Surr: BFB	102	15-244		%Rec	1	11/4/2023 7:18:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	11/4/2023 7:18:00 PM
Toluene	ND	0.047		mg/Kg	1	11/4/2023 7:18:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/4/2023 7:18:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	11/4/2023 7:18:00 PM
Surr: 4-Bromofluorobenzene	87.3	39.1-146		%Rec	1	11/4/2023 7:18:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	960	60		mg/Kg	20	11/6/2023 7:30:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-93 4'
Project: Prometheus
Collection Date: 10/31/2023 12:15:00 PM
Lab ID: 2311066-018 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2023 3:42:11 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2023 3:42:11 PM
Surr: DNOP	107	69-147		%Rec	1	11/3/2023 3:42:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/4/2023 7:40:00 PM
Surr: BFB	102	15-244		%Rec	1	11/4/2023 7:40:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/4/2023 7:40:00 PM
Toluene	ND	0.048		mg/Kg	1	11/4/2023 7:40:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/4/2023 7:40:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/4/2023 7:40:00 PM
Surr: 4-Bromofluorobenzene	87.2	39.1-146		%Rec	1	11/4/2023 7:40:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	870	60		mg/Kg	20	11/6/2023 7:43:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-94 4'
Project: Prometheus
Collection Date: 10/31/2023 12:05:00 PM
Lab ID: 2311066-019 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/3/2023 3:53:12 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/3/2023 3:53:12 PM
Surr: DNOP	116	69-147		%Rec	1	11/3/2023 3:53:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/4/2023 8:01:00 PM
Surr: BFB	104	15-244		%Rec	1	11/4/2023 8:01:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	11/4/2023 8:01:00 PM
Toluene	ND	0.050		mg/Kg	1	11/4/2023 8:01:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/4/2023 8:01:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/4/2023 8:01:00 PM
Surr: 4-Bromofluorobenzene	86.2	39.1-146		%Rec	1	11/4/2023 8:01:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	2200	60		mg/Kg	20	11/6/2023 7:55:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-95 4'
Project: Prometheus **Collection Date:** 10/31/2023 12:00:00 PM
Lab ID: 2311066-020 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/3/2023 8:49:59 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/3/2023 8:49:59 PM
Surr: DNOP	94.6	69-147		%Rec	1	11/3/2023 8:49:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/6/2023 11:32:32 AM
Surr: BFB	94.4	15-244		%Rec	1	11/6/2023 11:32:32 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/6/2023 11:32:32 AM
Toluene	ND	0.048		mg/Kg	1	11/6/2023 11:32:32 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/6/2023 11:32:32 AM
Xylenes, Total	ND	0.095		mg/Kg	1	11/6/2023 11:32:32 AM
Surr: 4-Bromofluorobenzene	99.0	39.1-146		%Rec	1	11/6/2023 11:32:32 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	3800	150		mg/Kg	50	11/7/2023 1:38:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-96 4'
Project: Prometheus **Collection Date:** 10/31/2023 12:00:00 PM
Lab ID: 2311066-021 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/4/2023 1:29:21 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/4/2023 1:29:21 AM
Surr: DNOP	96.2	69-147		%Rec	1	11/4/2023 1:29:21 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/4/2023 10:12:00 PM
Surr: BFB	103	15-244		%Rec	1	11/4/2023 10:12:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 1:58:00 AM
Toluene	ND	0.048		mg/Kg	1	11/8/2023 1:58:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2023 1:58:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/8/2023 1:58:00 AM
Surr: 4-Bromofluorobenzene	86.9	39.1-146		%Rec	1	11/8/2023 1:58:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	1700	60		mg/Kg	20	11/6/2023 3:08:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-97 4'
Project: Prometheus
Collection Date: 10/31/2023 12:05:00 PM
Lab ID: 2311066-022 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/4/2023 1:40:03 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/4/2023 1:40:03 AM
Surr: DNOP	95.7	69-147		%Rec	1	11/4/2023 1:40:03 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/4/2023 11:17:00 PM
Surr: BFB	102	15-244		%Rec	1	11/4/2023 11:17:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.023		mg/Kg	1	11/8/2023 3:03:00 AM
Toluene	ND	0.046		mg/Kg	1	11/8/2023 3:03:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	11/8/2023 3:03:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	11/8/2023 3:03:00 AM
Surr: 4-Bromofluorobenzene	87.8	39.1-146		%Rec	1	11/8/2023 3:03:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	1300	60		mg/Kg	20	11/6/2023 3:20:32 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-98 4'
Project: Prometheus **Collection Date:** 10/31/2023 12:15:00 PM
Lab ID: 2311066-023 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	11	9.7		mg/Kg	1	11/4/2023 1:50:42 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/4/2023 1:50:42 AM
Surr: DNOP	99.7	69-147		%Rec	1	11/4/2023 1:50:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/5/2023 12:22:00 AM
Surr: BFB	103	15-244		%Rec	1	11/5/2023 12:22:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 3:25:00 AM
Toluene	ND	0.049		mg/Kg	1	11/8/2023 3:25:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/8/2023 3:25:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/8/2023 3:25:00 AM
Surr: 4-Bromofluorobenzene	87.0	39.1-146		%Rec	1	11/8/2023 3:25:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	1600	60		mg/Kg	20	11/6/2023 3:32:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-99 4'
Project: Prometheus **Collection Date:** 10/31/2023 12:20:00 PM
Lab ID: 2311066-024 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	10	9.6		mg/Kg	1	11/4/2023 2:01:20 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/4/2023 2:01:20 AM
Surr: DNOP	99.7	69-147		%Rec	1	11/4/2023 2:01:20 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/5/2023 12:44:00 AM
Surr: BFB	103	15-244		%Rec	1	11/5/2023 12:44:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.025		mg/Kg	1	11/8/2023 3:46:00 AM
Toluene	ND	0.050		mg/Kg	1	11/8/2023 3:46:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/8/2023 3:46:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	11/8/2023 3:46:00 AM
Surr: 4-Bromofluorobenzene	84.9	39.1-146		%Rec	1	11/8/2023 3:46:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	2100	60		mg/Kg	20	11/6/2023 3:45:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-100 4'
Project: Prometheus **Collection Date:** 10/31/2023 12:10:00 PM
Lab ID: 2311066-025 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	11	9.3		mg/Kg	1	11/4/2023 2:11:57 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/4/2023 2:11:57 AM
Surr: DNOP	101	69-147		%Rec	1	11/4/2023 2:11:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/5/2023 1:06:00 AM
Surr: BFB	103	15-244		%Rec	1	11/5/2023 1:06:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 4:08:00 AM
Toluene	ND	0.048		mg/Kg	1	11/8/2023 4:08:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2023 4:08:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/8/2023 4:08:00 AM
Surr: 4-Bromofluorobenzene	82.0	39.1-146		%Rec	1	11/8/2023 4:08:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1500	60		mg/Kg	20	11/6/2023 8:20:33 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-101 4'
Project: Prometheus
Collection Date: 10/31/2023 2:40:00 PM
Lab ID: 2311066-026 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	11	9.9		mg/Kg	1	11/4/2023 2:22:33 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/4/2023 2:22:33 AM
Surr: DNOP	100	69-147		%Rec	1	11/4/2023 2:22:33 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/5/2023 1:27:00 AM
Surr: BFB	103	15-244		%Rec	1	11/5/2023 1:27:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 4:30:00 AM
Toluene	ND	0.049		mg/Kg	1	11/8/2023 4:30:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/8/2023 4:30:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/8/2023 4:30:00 AM
Surr: 4-Bromofluorobenzene	86.4	39.1-146		%Rec	1	11/8/2023 4:30:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1200	60		mg/Kg	20	11/6/2023 8:32:58 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-102 4'
Project: Prometheus
Collection Date: 10/31/2023 2:55:00 PM
Lab ID: 2311066-027 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	10	9.7		mg/Kg	1	11/4/2023 2:33:07 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/4/2023 2:33:07 AM
Surr: DNOP	102	69-147		%Rec	1	11/4/2023 2:33:07 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/5/2023 1:49:00 AM
Surr: BFB	103	15-244		%Rec	1	11/5/2023 1:49:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 4:52:00 AM
Toluene	ND	0.048		mg/Kg	1	11/8/2023 4:52:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2023 4:52:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/8/2023 4:52:00 AM
Surr: 4-Bromofluorobenzene	84.1	39.1-146		%Rec	1	11/8/2023 4:52:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1300	60		mg/Kg	20	11/6/2023 8:45:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311066**
Date Reported: **11/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-103 4'
Project: Prometheus **Collection Date:** 10/31/2023 3:05:00 PM
Lab ID: 2311066-028 **Matrix:** SOIL **Received Date:** 11/2/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	9.3	9.1		mg/Kg	1	11/4/2023 2:43:42 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/4/2023 2:43:42 AM
Surr: DNOP	102	69-147		%Rec	1	11/4/2023 2:43:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **KMN**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/5/2023 2:11:00 AM
Surr: BFB	100	15-244		%Rec	1	11/5/2023 2:11:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **KMN**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 5:13:00 AM
Toluene	ND	0.047		mg/Kg	1	11/8/2023 5:13:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/8/2023 5:13:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/8/2023 5:13:00 AM
Surr: 4-Bromofluorobenzene	85.7	39.1-146		%Rec	1	11/8/2023 5:13:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	250	60		mg/Kg	20	11/6/2023 8:57:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311066**

14-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78590**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **78590**	RunNo: **100981**								
Prep Date: **11/6/2023**	Analysis Date: **11/6/2023**	SeqNo: **3706462**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78590**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **78590**	RunNo: **100981**								
Prep Date: **11/6/2023**	Analysis Date: **11/6/2023**	SeqNo: **3706463**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.2	90	110			

Sample ID: **MB-78583**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **78583**	RunNo: **100987**								
Prep Date: **11/6/2023**	Analysis Date: **11/6/2023**	SeqNo: **3706678**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78583**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **78583**	RunNo: **100987**								
Prep Date: **11/6/2023**	Analysis Date: **11/6/2023**	SeqNo: **3706679**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311066**

14-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78534**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78534**	RunNo: **100940**
Prep Date: **11/2/2023**	Analysis Date: **11/3/2023**	SeqNo: **3704561** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.7	61.9	130			
Surr: DNOP	5.5		5.000		111	69	147			

Sample ID: **MB-78534**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78534**	RunNo: **100940**
Prep Date: **11/2/2023**	Analysis Date: **11/3/2023**	SeqNo: **3704563** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.0	69	147			

Sample ID: **2311066-019AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-94 4'**	Batch ID: **78534**	RunNo: **100940**
Prep Date: **11/2/2023**	Analysis Date: **11/3/2023**	SeqNo: **3704982** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.4	47.17	8.414	71.9	54.2	135			
Surr: DNOP	6.0		4.717		127	69	147			

Sample ID: **2311066-019AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-94 4'**	Batch ID: **78534**	RunNo: **100940**
Prep Date: **11/2/2023**	Analysis Date: **11/3/2023**	SeqNo: **3704983** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.3	46.69	8.414	71.0	54.2	135	1.84	29.2	
Surr: DNOP	5.7		4.669		122	69	147	0	0	

Sample ID: **2311066-020AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-95 4'**	Batch ID: **78541**	RunNo: **100940**
Prep Date: **11/2/2023**	Analysis Date: **11/3/2023**	SeqNo: **3704985** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.6	47.98	8.648	67.9	54.2	135			
Surr: DNOP	5.5		4.798		114	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311066**

14-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311066-020AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-95 4'**	Batch ID: **78541**	RunNo: **100940**
Prep Date: **11/2/2023**	Analysis Date: **11/3/2023**	SeqNo: **3704986** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	8.648	73.2	54.2	135	9.38	29.2	
Surr: DNOP	5.9		5.000		117	69	147	0	0	

Sample ID: **LCS-78541**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78541**	RunNo: **100940**
Prep Date: **11/2/2023**	Analysis Date: **11/3/2023**	SeqNo: **3705011** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	65	10	50.00	0	130	61.9	130			
Surr: DNOP	8.7		5.000		174	69	147			S

Sample ID: **LCS-78561**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78561**	RunNo: **100940**
Prep Date: **11/3/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705013** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.1	61.9	130			
Surr: DNOP	5.5		5.000		111	69	147			

Sample ID: **MB-78541**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78541**	RunNo: **100940**
Prep Date: **11/2/2023**	Analysis Date: **11/3/2023**	SeqNo: **3705015** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	14		10.00		140	69	147			

Sample ID: **MB-78561**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78561**	RunNo: **100940**
Prep Date: **11/3/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705017** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		91.2	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311066**

14-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78524**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78524**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705183** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.6	70	130			
Surr: BFB	2200		1000		221	15	244			

Sample ID: **mb-78524**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78524**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705184** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	15	244			

Sample ID: **lcs-78539**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78539**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705207** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.8	70	130			
Surr: BFB	2200		1000		222	15	244			

Sample ID: **mb-78539**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78539**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705208** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	15	244			

Sample ID: **2311066-021ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-96 4'**	Batch ID: **78539**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705210** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.37	0	91.7	70	130			
Surr: BFB	2200		974.7		222	15	244			

Sample ID: **2311066-021amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-96 4'**	Batch ID: **78539**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705211** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311066**

14-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311066-021amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-96 4'**	Batch ID: **78539**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705211** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.39	0	87.1	70	130	5.05	20	
Surr: BFB	2200		975.6		222	15	244	0	0	

Sample ID: **lcs-78537**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78537**	RunNo: **100984**
Prep Date: **11/2/2023**	Analysis Date: **11/6/2023**	SeqNo: **3706498** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.0	70	130			
Surr: BFB	2000		1000		202	15	244			

Sample ID: **mb-78537**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78537**	RunNo: **100984**
Prep Date: **11/2/2023**	Analysis Date: **11/6/2023**	SeqNo: **3706500** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311066**

14-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78524**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78524**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705231** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.70	0.025	1.000	0	70.4	70	130			
Toluene	0.74	0.050	1.000	0	74.1	70	130			
Ethylbenzene	0.77	0.050	1.000	0	77.4	70	130			
Xylenes, Total	2.3	0.10	3.000	0	77.0	70	130			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.2	39.1	146			

Sample ID: **mb-78524**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78524**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705232** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.3	39.1	146			

Sample ID: **2311066-001ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-39 0-4'**	Batch ID: **78524**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705235** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.73	0.025	0.9921	0	73.2	70	130			
Toluene	0.77	0.050	0.9921	0	77.3	70	130			
Ethylbenzene	0.80	0.050	0.9921	0	80.7	70	130			
Xylenes, Total	2.4	0.099	2.976	0	80.3	70	130			
Surr: 4-Bromofluorobenzene	0.88		0.9921		88.6	39.1	146			

Sample ID: **2311066-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-39 0-4'**	Batch ID: **78524**	RunNo: **100953**
Prep Date: **11/2/2023**	Analysis Date: **11/4/2023**	SeqNo: **3705236** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.72	0.025	0.9911	0	72.2	70	130	1.38	20	
Toluene	0.76	0.050	0.9911	0	76.8	70	130	0.721	20	
Ethylbenzene	0.80	0.050	0.9911	0	80.5	70	130	0.249	20	
Xylenes, Total	2.4	0.099	2.973	0	80.8	70	130	0.546	20	
Surr: 4-Bromofluorobenzene	0.87		0.9911		88.0	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311066**

14-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78537**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78537**	RunNo: **100984**
Prep Date: **11/2/2023**	Analysis Date: **11/6/2023**	SeqNo: **3706542** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.0	70	130			
Toluene	0.88	0.050	1.000	0	88.1	70	130			
Ethylbenzene	0.90	0.050	1.000	0	90.5	70	130			
Xylenes, Total	2.7	0.10	3.000	0	90.9	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **mb-78537**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78537**	RunNo: **100984**
Prep Date: **11/2/2023**	Analysis Date: **11/6/2023**	SeqNo: **3706543** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.6	39.1	146			

Sample ID: **lcs-78601**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78601**	RunNo: **101017**
Prep Date: **11/6/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708429** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	1.000	0	80.9	70	130			
Toluene	0.81	0.050	1.000	0	81.2	70	130			
Ethylbenzene	0.82	0.050	1.000	0	82.2	70	130			
Xylenes, Total	2.4	0.10	3.000	0	81.6	70	130			
Surr: 4-Bromofluorobenzene	0.85		1.000		84.9	39.1	146			

Sample ID: **mb-78601**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78601**	RunNo: **101017**
Prep Date: **11/6/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708430** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		1.000		86.0	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311066**

14-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311066-021ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-96 4'**	Batch ID: **78601**	RunNo: **101017**
Prep Date: **11/6/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708432** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Methyl tert-butyl ether (MTBE)	0.71	0.096	0.9597	0	74.4	70	130			
Benzene	0.82	0.024	0.9597	0	85.5	70	130			
Toluene	0.83	0.048	0.9597	0	86.8	70	130			
Ethylbenzene	0.86	0.048	0.9597	0	89.2	70	130			
Xylenes, Total	2.5	0.096	2.879	0	88.3	70	130			
Surr: 4-Bromofluorobenzene	0.80		0.9597		83.0	39.1	146			

Sample ID: **2311066-021amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-96 4'**	Batch ID: **78601**	RunNo: **101017**
Prep Date: **11/6/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708433** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.024	0.9662	0	82.1	70	130	3.38	20	
Toluene	0.80	0.048	0.9662	0	82.9	70	130	3.95	20	
Ethylbenzene	0.82	0.048	0.9662	0	85.2	70	130	3.99	20	
Xylenes, Total	2.4	0.097	2.899	0	84.4	70	130	3.81	20	
Surr: 4-Bromofluorobenzene	0.82		0.9662		84.4	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Services, Inc.

Work Order Number: 2311066

RcptNo: 1

Received By: Tracy Casarrubias 11/2/2023 7:45:00 AM

Completed By: Tracy Casarrubias 11/2/2023 7:56:09 AM

Reviewed By: TMC 11/2/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)

Adjusted? ____

Checked by: TMC 11/2/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: Mailing address, phone number and Email/Fax are missing on COC- TMC 11/2/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.9	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Kent Stallings

MMoffitt@vertex.ca

Sampler: L. Pullman

On Ice: ☒ Yes ☐ No 4deg

# of Coolers: 1

Cooler Temp(including CF): 3.9 - 0 = 3.9 c

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311066	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/31/23	10:00	Soil	WS23-39 0-4'	1, 4oz jar		001	X	X					X			
10/31/23	10:00	Soil	WS23-40 0-4'	1, 4oz jar		002	X	X					X			
10/31/23	10:00	Soil	WS23-41 0-4'	1, 4oz jar		003	X	X					X			
10/31/23	10:05	Soil	WS23-42 0-4'	1, 4oz jar		004	X	X					X			
10/31/23	13:55	Soil	WS23-43 0-4'	1, 4oz jar		005	X	X					X			
10/31/23	10:05	Soil	WS23-65 0-4'	1, 4oz jar		006	X	X					X			
10/31/23	10:05	Soil	WS23-66 0-4'	1, 4oz jar		007	X	X					X			
10/31/23	15:05	Soil	WS23-67 0-4'	1, 4oz jar		008	X	X					X			
10/31/23	15:00	Soil	BS23-84 4'	1, 4oz jar		009	X	X					X			
10/31/23	15:00	Soil	BS23-85 4'	1, 4oz jar		010	X	X					X			
10/31/23	14:55	Soil	BS23-86 4'	1, 4oz jar		011	X	X					X			
10/31/23	14:50	Soil	BS23-87 4'	1, 4oz jar		012	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11-1-23	07:00				11/1/23	0700
11/1/23	1900			Courier	11/2/23	7:45

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

1/3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Kent Stallings

MMoffitt@vertex.ca

Sampler: L. Pullman

On Ice: ☒ Yes ☐ No 4003

# of Coolers: 1

Cooler Temp(including CF): 3.9-0=3.9°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311066	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/31/23	14:50	Soil	BS23-88 4'	1, 4oz jar		013	X	X					X			
10/31/23	14:45	Soil	BS23-89 4'	1, 4oz jar		014	X	X					X			
10/31/23	14:45	Soil	BS23-90 4'	1, 4oz jar		015	X	X					X			
10/31/23	14:00	Soil	BS23-91 4'	1, 4oz jar		016	X	X					X			
10/31/23	12:20	Soil	BS23-92 4'	1, 4oz jar		017	X	X					X			
10/31/23	12:15	Soil	BS23-93 4'	1, 4oz jar		018	X	X					X			
10/31/23	12:05	Soil	BS23-94 4'	1, 4oz jar		019	X	X					X			
10/31/23	12:00	Soil	BS23-95 4'	1, 4oz jar		020	X	X					X			
10/31/23	12:00	Soil	BS23-96 4'	1, 4oz jar		021	X	X					X			
10/31/23	12:05	Soil	BS23-97 4'	1, 4oz jar		022	X	X					X			
10/31/23	12:15	Soil	BS23-98 4'	1, 4oz jar		023	X	X					X			
10/31/23	12:20	Soil	BS23-99 4'	1, 4oz jar		024	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11-1-23	07:00	Lab Pullman			11/1/23	0700
11/1/23	1900			Courier	11/2/23	7:45

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

2/3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: **Vertex**

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard X **Rush_72-hour rush**

Project Name:

Prometheus

Project #:

23E-03329

Project Manager:

Kent Stallings

MMoffitt@vertex.ca

Sampler: L. Pullman

On Ice: ☑ Yes ☐ No 4oqi

# of Coolers: 1

Cooler Temp(including CF): 3.9-0= 3.9 °C

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311066	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
10/31/23	12:10	Soil	BS23-100 4'	1, 4oz jar		025	X	X					X			
10/31/23	14:40	Soil	BS23-101 4'	1, 4oz jar		026	X	X					X			
10/31/23	14:55	Soil	BS23-102 4'	1, 4oz jar		027	X	X					X			
10/31/23	15:05	Soil	BS23-103 4'	1, 4oz jar		028	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11-1-23	07:00	Sabrina Pullman				
11/1/23	1900				11/1/23	0700
				Via: courier	11/2/23	7:45

Remarks:

Ace Fluid Solutions

cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

3/3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 22, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311545

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 4 sample(s) on 11/10/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311545**
Date Reported: **11/22/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-53 4'
Project: Prometheus
Collection Date: 11/8/2023 12:15:00 PM
Lab ID: 2311545-001 **Matrix:** SOIL **Received Date:** 11/10/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/15/2023 10:52:17 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/15/2023 10:52:17 AM
Surr: DNOP	85.6	69-147		%Rec	1	11/15/2023 10:52:17 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/15/2023 3:03:30 AM
Surr: BFB	90.1	15-244		%Rec	1	11/15/2023 3:03:30 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/15/2023 3:03:30 AM
Toluene	ND	0.048		mg/Kg	1	11/15/2023 3:03:30 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/15/2023 3:03:30 AM
Xylenes, Total	ND	0.095		mg/Kg	1	11/15/2023 3:03:30 AM
Surr: 4-Bromofluorobenzene	94.0	39.1-146		%Rec	1	11/15/2023 3:03:30 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	490	60		mg/Kg	20	11/15/2023 10:26:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311545**
Date Reported: **11/22/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-54 4'
Project: Prometheus
Collection Date: 11/8/2023 12:10:00 PM
Lab ID: 2311545-002 **Matrix:** SOIL **Received Date:** 11/10/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/15/2023 11:02:46 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/15/2023 11:02:46 AM
Surr: DNOP	85.2	69-147		%Rec	1	11/15/2023 11:02:46 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/15/2023 4:13:46 AM
Surr: BFB	91.1	15-244		%Rec	1	11/15/2023 4:13:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/15/2023 4:13:46 AM
Toluene	ND	0.048		mg/Kg	1	11/15/2023 4:13:46 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/15/2023 4:13:46 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/15/2023 4:13:46 AM
Surr: 4-Bromofluorobenzene	94.2	39.1-146		%Rec	1	11/15/2023 4:13:46 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	380	60		mg/Kg	20	11/15/2023 11:03:13 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311545**
Date Reported: **11/22/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-55 4'
Project: Prometheus
Collection Date: 11/8/2023 12:05:00 PM
Lab ID: 2311545-003 **Matrix:** SOIL **Received Date:** 11/10/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/15/2023 11:13:17 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/15/2023 11:13:17 AM
Surr: DNOP	84.2	69-147		%Rec	1	11/15/2023 11:13:17 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/15/2023 5:47:24 AM
Surr: BFB	89.1	15-244		%Rec	1	11/15/2023 5:47:24 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/15/2023 5:47:24 AM
Toluene	ND	0.049		mg/Kg	1	11/15/2023 5:47:24 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/15/2023 5:47:24 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/15/2023 5:47:24 AM
Surr: 4-Bromofluorobenzene	92.6	39.1-146		%Rec	1	11/15/2023 5:47:24 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	450	61		mg/Kg	20	11/15/2023 11:15:38 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311545**
Date Reported: **11/22/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-56 4'
Project: Prometheus
Collection Date: 11/8/2023 12:00:00 PM
Lab ID: 2311545-004 **Matrix:** SOIL **Received Date:** 11/10/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/15/2023 11:23:49 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/15/2023 11:23:49 AM
Surr: DNOP	82.3	69-147		%Rec	1	11/15/2023 11:23:49 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/15/2023 6:10:49 AM
Surr: BFB	90.9	15-244		%Rec	1	11/15/2023 6:10:49 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/15/2023 6:10:49 AM
Toluene	ND	0.049		mg/Kg	1	11/15/2023 6:10:49 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/15/2023 6:10:49 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/15/2023 6:10:49 AM
Surr: 4-Bromofluorobenzene	94.6	39.1-146		%Rec	1	11/15/2023 6:10:49 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	510	60		mg/Kg	20	11/15/2023 1:05:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311545**

22-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78795**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **78795**	RunNo: **101177**							
Prep Date: **11/14/2023**	Analysis Date: **11/14/2023**	SeqNo: **3717918**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78795**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **78795**	RunNo: **101177**							
Prep Date: **11/14/2023**	Analysis Date: **11/14/2023**	SeqNo: **3717919**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.4	90	110			

Sample ID: **MB-78811**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **78811**	RunNo: **101219**							
Prep Date: **11/15/2023**	Analysis Date: **11/15/2023**	SeqNo: **3720672**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78811**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **78811**	RunNo: **101219**							
Prep Date: **11/15/2023**	Analysis Date: **11/15/2023**	SeqNo: **3720673**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311545**

22-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78757**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **78757**	RunNo: **101145**							
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717324**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		84.9	69	147			

Sample ID: **MB-78757**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **78757**	RunNo: **101145**							
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717326**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.1		10.00		90.5	69	147			

Sample ID: **LCS-78800**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **78800**	RunNo: **101145**							
Prep Date: **11/15/2023**	Analysis Date: **11/15/2023**	SeqNo: **3719019**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	81.1	61.9	130			
Surr: DNOP	3.8		5.000		75.7	69	147			

Sample ID: **MB-78800**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **78800**	RunNo: **101145**							
Prep Date: **11/15/2023**	Analysis Date: **11/15/2023**	SeqNo: **3719020**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.6	69	147			

Sample ID: **2311545-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **BS23-53 4'**	Batch ID: **78800**	RunNo: **101145**							
Prep Date: **11/15/2023**	Analysis Date: **11/15/2023**	SeqNo: **3719761**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.8	48.97	0	90.3	54.2	135			
Surr: DNOP	4.4		4.897		89.3	69	147			

Sample ID: **2311545-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **BS23-53 4'**	Batch ID: **78800**	RunNo: **101145**							
Prep Date: **11/15/2023**	Analysis Date: **11/15/2023**	SeqNo: **3719762**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.6	47.89	0	85.8	54.2	135	7.31	29.2	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311545**

22-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311545-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-53 4'**	Batch ID: **78800**	RunNo: **101145**
Prep Date: **11/15/2023**	Analysis Date: **11/15/2023**	SeqNo: **3719762** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.9		4.789		82.4	69	147	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311545**

22-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78760**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78760**	RunNo: **101155**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717629** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.3	70	130			
Surr: BFB	1900		1000		189	15	244			

Sample ID: **mb-78760**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78760**	RunNo: **101155**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717630** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.5	15	244			

Sample ID: **2311545-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-53 4'**	Batch ID: **78760**	RunNo: **101155**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717655** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.7	23.72	0	100	70	130			
Surr: BFB	1900		948.8		203	15	244			

Sample ID: **2311545-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-53 4'**	Batch ID: **78760**	RunNo: **101155**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717656** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	23.79	0	94.2	70	130	5.85	20	
Surr: BFB	1900		951.5		196	15	244	0	0	

Sample ID: **lcs-78754**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78754**	RunNo: **101194**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3718682** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1900		1000		190	15	244			

Sample ID: **mb-78754**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78754**	RunNo: **101194**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3718683** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.0	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311545**

22-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311545-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-54 4'**	Batch ID: **78760**	RunNo: **101155**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717745** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9579	0	99.9	70	130			
Toluene	0.97	0.048	0.9579	0	101	70	130			
Ethylbenzene	0.96	0.048	0.9579	0	100	70	130			
Xylenes, Total	2.9	0.096	2.874	0	99.4	70	130			
Surr: 4-Bromofluorobenzene	0.93		0.9579		97.4	39.1	146			

Sample ID: **2311545-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-54 4'**	Batch ID: **78760**	RunNo: **101155**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717746** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9506	0	100	70	130	0.364	20	
Toluene	0.98	0.048	0.9506	0	103	70	130	1.22	20	
Ethylbenzene	0.98	0.048	0.9506	0	103	70	130	1.86	20	
Xylenes, Total	2.9	0.095	2.852	0	103	70	130	2.49	20	
Surr: 4-Bromofluorobenzene	0.92		0.9506		96.6	39.1	146	0	0	

Sample ID: **LCS-78760**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78760**	RunNo: **101155**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717753** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.2	70	130			
Toluene	0.97	0.050	1.000	0	96.7	70	130			
Ethylbenzene	0.96	0.050	1.000	0	95.8	70	130			
Xylenes, Total	2.8	0.10	3.000	0	94.5	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.7	39.1	146			

Sample ID: **mb-78760**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78760**	RunNo: **101155**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3717754** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.1	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311545**

22-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78754**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78754**	RunNo: **101194**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3718687** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.98		1.000		98.5	39.1	146			

Sample ID: **mb-78754**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78754**	RunNo: **101194**
Prep Date: **11/13/2023**	Analysis Date: **11/15/2023**	SeqNo: **3718688** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2311545 | RcptNo: 1

Received By: Juan Rojas 11/10/2023 7:50:00 AM

Completed By: Tracy Casarrubias 11/10/2023 8:19:32 AM

Reviewed By: DAD 11/10/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: TMC 11/10/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Mailing address,phone number, and Email/Fax are missing on COC- TMC 11/10/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.4	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 72 hr

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler: SPC

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Yoyi

Cooler Temp(including CF): 4.3+0.1=4.4(°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
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Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311545	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/8/23	1215	Soil	BS23-53 4'	4oz jar	ice	001	✓	✓					✓			
"	1210	"	BS23-54 4'	"	"	002	"	"					"			
"	1205	"	BS23-55 4'	"	"	003	"	"					"			
"	1200	"	BS23-56 4'	"	"	004	"	"					"			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/8/23	1447	Sally Carthar			11/9/23	900
11/9/23	1900			courier	11/10/23	7:50

Remarks:
Ace Fluid Solutions
final report
cc mmoffitt@vertex.ca, scarthar@vertex.ca

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 29, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311923

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 6 sample(s) on 11/17/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311923**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-112 4'
Project: Prometheus
Collection Date: 11/15/2023 10:50:00 AM
Lab ID: 2311923-001 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/20/2023 6:42:11 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/20/2023 6:42:11 PM
Surr: DNOP	99.0	69-147		%Rec	1	11/20/2023 6:42:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/21/2023 3:26:00 PM
Surr: BFB	105	15-244		%Rec	1	11/21/2023 3:26:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 3:26:00 PM
Toluene	ND	0.048		mg/Kg	1	11/21/2023 3:26:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/21/2023 3:26:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/21/2023 3:26:00 PM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	11/21/2023 3:26:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	3100	150		mg/Kg	50	11/21/2023 1:09:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311923**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-37 4'
Project: Prometheus
Collection Date: 11/15/2023 2:20:00 PM
Lab ID: 2311923-002 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/20/2023 7:05:41 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/20/2023 7:05:41 PM
Surr: DNOP	97.5	69-147		%Rec	1	11/20/2023 7:05:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/21/2023 3:47:00 PM
Surr: BFB	102	15-244		%Rec	1	11/21/2023 3:47:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 3:47:00 PM
Toluene	ND	0.047		mg/Kg	1	11/21/2023 3:47:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/21/2023 3:47:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/21/2023 3:47:00 PM
Surr: 4-Bromofluorobenzene	97.4	39.1-146		%Rec	1	11/21/2023 3:47:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	260	60		mg/Kg	20	11/20/2023 5:22:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311923**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-38 4'
Project: Prometheus
Collection Date: 11/15/2023 2:10:00 PM
Lab ID: 2311923-003 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/20/2023 7:29:09 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/20/2023 7:29:09 PM
Surr: DNOP	97.1	69-147		%Rec	1	11/20/2023 7:29:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/21/2023 4:09:00 PM
Surr: BFB	101	15-244		%Rec	1	11/21/2023 4:09:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 4:09:00 PM
Toluene	ND	0.049		mg/Kg	1	11/21/2023 4:09:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/21/2023 4:09:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/21/2023 4:09:00 PM
Surr: 4-Bromofluorobenzene	96.3	39.1-146		%Rec	1	11/21/2023 4:09:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	220	60		mg/Kg	20	11/20/2023 5:59:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311923**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-39 4'
Project: Prometheus
Collection Date: 11/15/2023 2:10:00 PM
Lab ID: 2311923-004 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/20/2023 7:52:37 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/20/2023 7:52:37 PM
Surr: DNOP	101	69-147		%Rec	1	11/20/2023 7:52:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/21/2023 4:53:00 PM
Surr: BFB	98.3	15-244		%Rec	1	11/21/2023 4:53:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 4:53:00 PM
Toluene	ND	0.049		mg/Kg	1	11/21/2023 4:53:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/21/2023 4:53:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/21/2023 4:53:00 PM
Surr: 4-Bromofluorobenzene	93.2	39.1-146		%Rec	1	11/21/2023 4:53:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	240	60		mg/Kg	20	11/20/2023 6:11:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311923**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-40 4'
Project: Prometheus
Collection Date: 11/15/2023 2:15:00 PM
Lab ID: 2311923-005 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/20/2023 8:39:30 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/20/2023 8:39:30 PM
Surr: DNOP	100	69-147		%Rec	1	11/20/2023 8:39:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/21/2023 5:14:00 PM
Surr: BFB	100	15-244		%Rec	1	11/21/2023 5:14:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	11/21/2023 5:14:00 PM
Toluene	ND	0.047		mg/Kg	1	11/21/2023 5:14:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/21/2023 5:14:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/21/2023 5:14:00 PM
Surr: 4-Bromofluorobenzene	94.3	39.1-146		%Rec	1	11/21/2023 5:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	290	60		mg/Kg	20	11/20/2023 6:24:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311923**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-44 4'
Project: Prometheus
Collection Date: 11/15/2023 2:15:00 PM
Lab ID: 2311923-006 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/20/2023 9:02:55 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/20/2023 9:02:55 PM
Surr: DNOP	107	69-147		%Rec	1	11/20/2023 9:02:55 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/21/2023 5:36:00 PM
Surr: BFB	101	15-244		%Rec	1	11/21/2023 5:36:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 5:36:00 PM
Toluene	ND	0.048		mg/Kg	1	11/21/2023 5:36:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/21/2023 5:36:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/21/2023 5:36:00 PM
Surr: 4-Bromofluorobenzene	93.3	39.1-146		%Rec	1	11/21/2023 5:36:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	350	60		mg/Kg	20	11/20/2023 6:36:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311923**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78901**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78901**	RunNo: **101327**
Prep Date: **11/20/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727253** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78901**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78901**	RunNo: **101327**
Prep Date: **11/20/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727254** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311923**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78885**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78885**	RunNo: **101343**
Prep Date: **11/17/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727650** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	69	147			

Sample ID: **LCS-78885**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78885**	RunNo: **101343**
Prep Date: **11/17/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727651** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	61.9	130			
Surr: DNOP	4.7		5.000		94.8	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311923**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78878**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730403** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	70	130			
Surr: BFB	2200		1000		224	15	244			

Sample ID: **mb-78878**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730404** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311923**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78878**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730446** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	70	130			
Toluene	0.98	0.050	1.000	0	97.8	70	130			
Ethylbenzene	0.98	0.050	1.000	0	98.2	70	130			
Xylenes, Total	3.0	0.10	3.000	0	98.5	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.2	39.1	146			

Sample ID: **mb-78878**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730447** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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eurofins Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2311923 RcptNo: 1

Received By: Tracy Casarrubias 11/17/2023 7:45:00 AM

Completed By: Tracy Casarrubias 11/17/2023 8:30:29 AM

Reviewed By: TMC 11/17/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: / (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: SCM 11/17/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: ____ Date: ____

By Whom: ____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: ____

Client Instructions: Mailing address, phone number, and Email/Fax are missing on COC- TMC 11/17/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 72 hour

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler: BA

On Ice: ☑ Yes ☐ No 4ogi

# of Coolers: 1

Cooler Temp(including CF): 3.3-0=3.3 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311923	BTEX MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/15/23	1050	SOIL	BS23-112 . 4'	4oz jar	ice	001	✓	✓					✓			
	1420	Soil	BS23-37 . 4'			002										
	1410		BS23-38 . 4'			003										
	1410		BS23-39 . 4'			004										
	1415		BS23-40 . 4'			005										
	1415		BS23-44 . 4'			006										

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/15/23	1805	Brenda Almanza			11/16/23	900
11/16/23	900			courier	11/17/23	7:45

Remarks: Ace Fluids
cc mmoffitt@vertex.ca, scarttar@vertex.ca
final reports

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 11, 2024

Sally Carter
Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2401253

Dear Sally Carter:

Eurofins Environment Testing South Central, LLC received 16 sample(s) on 1/6/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-156 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:00:00 PM
Lab ID: 2401253-001 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/8/2024 5:52:58 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/8/2024 5:52:58 PM
Surr: DNOP	114	69-147		%Rec	1	1/8/2024 5:52:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/9/2024 11:22:43 AM
Surr: BFB	100	15-244		%Rec	1	1/9/2024 11:22:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	1/9/2024 11:22:43 AM
Toluene	ND	0.049		mg/Kg	1	1/9/2024 11:22:43 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/9/2024 11:22:43 AM
Xylenes, Total	ND	0.098		mg/Kg	1	1/9/2024 11:22:43 AM
Surr: 4-Bromofluorobenzene	94.1	39.1-146		%Rec	1	1/9/2024 11:22:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	78	60		mg/Kg	20	1/8/2024 7:15:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-157 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:00:00 PM
Lab ID: 2401253-002 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/8/2024 6:24:49 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/8/2024 6:24:49 PM
Surr: DNOP	89.8	69-147		%Rec	1	1/8/2024 6:24:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2024 11:46:26 AM
Surr: BFB	101	15-244		%Rec	1	1/9/2024 11:46:26 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/9/2024 11:46:26 AM
Toluene	ND	0.047		mg/Kg	1	1/9/2024 11:46:26 AM
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2024 11:46:26 AM
Xylenes, Total	ND	0.094		mg/Kg	1	1/9/2024 11:46:26 AM
Surr: 4-Bromofluorobenzene	94.1	39.1-146		%Rec	1	1/9/2024 11:46:26 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	80	60		mg/Kg	20	1/8/2024 7:27:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-158 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:05:00 PM
Lab ID: 2401253-003 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/8/2024 6:35:25 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/8/2024 6:35:25 PM
Surr: DNOP	91.9	69-147		%Rec	1	1/8/2024 6:35:25 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/9/2024 12:10:10 PM
Surr: BFB	102	15-244		%Rec	1	1/9/2024 12:10:10 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/9/2024 12:10:10 PM
Toluene	ND	0.048		mg/Kg	1	1/9/2024 12:10:10 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/9/2024 12:10:10 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/9/2024 12:10:10 PM
Surr: 4-Bromofluorobenzene	96.0	39.1-146		%Rec	1	1/9/2024 12:10:10 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	220	60		mg/Kg	20	1/8/2024 7:39:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-159 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:05:00 PM
Lab ID: 2401253-004 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/8/2024 6:46:01 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/8/2024 6:46:01 PM
Surr: DNOP	94.2	69-147		%Rec	1	1/8/2024 6:46:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2024 12:34:08 PM
Surr: BFB	99.0	15-244		%Rec	1	1/9/2024 12:34:08 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/9/2024 12:34:08 PM
Toluene	ND	0.047		mg/Kg	1	1/9/2024 12:34:08 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2024 12:34:08 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/9/2024 12:34:08 PM
Surr: 4-Bromofluorobenzene	93.0	39.1-146		%Rec	1	1/9/2024 12:34:08 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	350	60		mg/Kg	20	1/8/2024 8:17:05 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-160 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:10:00 PM
Lab ID: 2401253-005 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/8/2024 6:56:34 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/8/2024 6:56:34 PM
Surr: DNOP	92.2	69-147		%Rec	1	1/8/2024 6:56:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/9/2024 12:57:42 PM
Surr: BFB	99.5	15-244		%Rec	1	1/9/2024 12:57:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/9/2024 12:57:42 PM
Toluene	ND	0.049		mg/Kg	1	1/9/2024 12:57:42 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/9/2024 12:57:42 PM
Xylenes, Total	ND	0.098		mg/Kg	1	1/9/2024 12:57:42 PM
Surr: 4-Bromofluorobenzene	94.2	39.1-146		%Rec	1	1/9/2024 12:57:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	350	60		mg/Kg	20	1/8/2024 8:54:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-161 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:10:00 PM
Lab ID: 2401253-006 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/8/2024 7:07:07 PM
Motor Oil Range Organics (MRO)	51	49		mg/Kg	1	1/8/2024 7:07:07 PM
Surr: DNOP	91.1	69-147		%Rec	1	1/8/2024 7:07:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/9/2024 1:21:22 PM
Surr: BFB	103	15-244		%Rec	1	1/9/2024 1:21:22 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/9/2024 1:21:22 PM
Toluene	ND	0.049		mg/Kg	1	1/9/2024 1:21:22 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/9/2024 1:21:22 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/9/2024 1:21:22 PM
Surr: 4-Bromofluorobenzene	96.6	39.1-146		%Rec	1	1/9/2024 1:21:22 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	350	60		mg/Kg	20	1/8/2024 9:06:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-162 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:15:00 PM
Lab ID: 2401253-007 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/8/2024 7:17:38 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/8/2024 7:17:38 PM
Surr: DNOP	97.7	69-147		%Rec	1	1/8/2024 7:17:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/9/2024 1:44:57 PM
Surr: BFB	104	15-244		%Rec	1	1/9/2024 1:44:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	1/9/2024 1:44:57 PM
Toluene	ND	0.049		mg/Kg	1	1/9/2024 1:44:57 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/9/2024 1:44:57 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/9/2024 1:44:57 PM
Surr: 4-Bromofluorobenzene	96.3	39.1-146		%Rec	1	1/9/2024 1:44:57 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	78	60		mg/Kg	20	1/8/2024 9:43:58 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-163 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:15:00 PM
Lab ID: 2401253-008 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	15	9.2		mg/Kg	1	1/8/2024 7:28:07 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/8/2024 7:28:07 PM
Surr: DNOP	118	69-147		%Rec	1	1/8/2024 7:28:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/9/2024 2:09:07 PM
Surr: BFB	99.9	15-244		%Rec	1	1/9/2024 2:09:07 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/9/2024 2:09:07 PM
Toluene	ND	0.048		mg/Kg	1	1/9/2024 2:09:07 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/9/2024 2:09:07 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/9/2024 2:09:07 PM
Surr: 4-Bromofluorobenzene	94.0	39.1-146		%Rec	1	1/9/2024 2:09:07 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	380	60		mg/Kg	20	1/8/2024 9:56:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-164 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:20:00 PM
Lab ID: 2401253-009 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/8/2024 7:48:52 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/8/2024 7:48:52 PM
Surr: DNOP	92.8	69-147		%Rec	1	1/8/2024 7:48:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2024 2:32:39 PM
Surr: BFB	99.4	15-244		%Rec	1	1/9/2024 2:32:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	1/9/2024 2:32:39 PM
Toluene	ND	0.047		mg/Kg	1	1/9/2024 2:32:39 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2024 2:32:39 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/9/2024 2:32:39 PM
Surr: 4-Bromofluorobenzene	93.4	39.1-146		%Rec	1	1/9/2024 2:32:39 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	370	60		mg/Kg	20	1/8/2024 10:08:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-165 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:20:00 PM
Lab ID: 2401253-010 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/8/2024 7:59:18 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/8/2024 7:59:18 PM
Surr: DNOP	94.4	69-147		%Rec	1	1/8/2024 7:59:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/9/2024 2:56:27 PM
Surr: BFB	101	15-244		%Rec	1	1/9/2024 2:56:27 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/9/2024 2:56:27 PM
Toluene	ND	0.048		mg/Kg	1	1/9/2024 2:56:27 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/9/2024 2:56:27 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/9/2024 2:56:27 PM
Surr: 4-Bromofluorobenzene	95.2	39.1-146		%Rec	1	1/9/2024 2:56:27 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	370	60		mg/Kg	20	1/8/2024 10:21:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-166 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:25:00 PM
Lab ID: 2401253-011 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/8/2024 8:09:44 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/8/2024 8:09:44 PM
Surr: DNOP	95.7	69-147		%Rec	1	1/8/2024 8:09:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/9/2024 3:43:51 PM
Surr: BFB	102	15-244		%Rec	1	1/9/2024 3:43:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	1/9/2024 3:43:51 PM
Toluene	ND	0.049		mg/Kg	1	1/9/2024 3:43:51 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/9/2024 3:43:51 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/9/2024 3:43:51 PM
Surr: 4-Bromofluorobenzene	93.6	39.1-146		%Rec	1	1/9/2024 3:43:51 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	200	60		mg/Kg	20	1/8/2024 10:33:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-167 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:25:00 PM
Lab ID: 2401253-012 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/8/2024 8:20:09 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/8/2024 8:20:09 PM
Surr: DNOP	92.0	69-147		%Rec	1	1/8/2024 8:20:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/9/2024 4:07:31 PM
Surr: BFB	99.6	15-244		%Rec	1	1/9/2024 4:07:31 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	1/9/2024 4:07:31 PM
Toluene	ND	0.050		mg/Kg	1	1/9/2024 4:07:31 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/9/2024 4:07:31 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/9/2024 4:07:31 PM
Surr: 4-Bromofluorobenzene	94.9	39.1-146		%Rec	1	1/9/2024 4:07:31 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	300	60		mg/Kg	20	1/8/2024 10:46:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-168 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:30:00 PM
Lab ID: 2401253-013 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/8/2024 8:30:34 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/8/2024 8:30:34 PM
Surr: DNOP	95.2	69-147		%Rec	1	1/8/2024 8:30:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2024 4:31:31 PM
Surr: BFB	99.2	15-244		%Rec	1	1/9/2024 4:31:31 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	1/9/2024 4:31:31 PM
Toluene	ND	0.047		mg/Kg	1	1/9/2024 4:31:31 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2024 4:31:31 PM
Xylenes, Total	ND	0.093		mg/Kg	1	1/9/2024 4:31:31 PM
Surr: 4-Bromofluorobenzene	92.5	39.1-146		%Rec	1	1/9/2024 4:31:31 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	380	60		mg/Kg	20	1/8/2024 10:58:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-169 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:30:00 PM
Lab ID: 2401253-014 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/8/2024 8:40:57 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/8/2024 8:40:57 PM
Surr: DNOP	99.1	69-147		%Rec	1	1/8/2024 8:40:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2024 4:55:34 PM
Surr: BFB	101	15-244		%Rec	1	1/9/2024 4:55:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	1/9/2024 4:55:34 PM
Toluene	ND	0.047		mg/Kg	1	1/9/2024 4:55:34 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2024 4:55:34 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/9/2024 4:55:34 PM
Surr: 4-Bromofluorobenzene	92.8	39.1-146		%Rec	1	1/9/2024 4:55:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	380	60		mg/Kg	20	1/8/2024 11:10:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-170 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:35:00 PM
Lab ID: 2401253-015 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/8/2024 8:51:19 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/8/2024 8:51:19 PM
Surr: DNOP	97.0	69-147		%Rec	1	1/8/2024 8:51:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/9/2024 5:19:36 PM
Surr: BFB	100	15-244		%Rec	1	1/9/2024 5:19:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	1/9/2024 5:19:36 PM
Toluene	ND	0.047		mg/Kg	1	1/9/2024 5:19:36 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/9/2024 5:19:36 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/9/2024 5:19:36 PM
Surr: 4-Bromofluorobenzene	94.7	39.1-146		%Rec	1	1/9/2024 5:19:36 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	380	60		mg/Kg	20	1/8/2024 11:23:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401253**
Date Reported: **1/11/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-171 0'
Project: Prometheus **Collection Date:** 1/3/2024 2:35:00 PM
Lab ID: 2401253-016 **Matrix:** SOIL **Received Date:** 1/6/2024 8:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/8/2024 9:01:52 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/8/2024 9:01:52 PM
Surr: DNOP	104	69-147		%Rec	1	1/8/2024 9:01:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/9/2024 5:43:11 PM
Surr: BFB	100	15-244		%Rec	1	1/9/2024 5:43:11 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/9/2024 5:43:11 PM
Toluene	ND	0.048		mg/Kg	1	1/9/2024 5:43:11 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/9/2024 5:43:11 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/9/2024 5:43:11 PM
Surr: 4-Bromofluorobenzene	93.9	39.1-146		%Rec	1	1/9/2024 5:43:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	290	60		mg/Kg	20	1/8/2024 11:35:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401253**

11-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79786**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79786**	RunNo: **102317**
Prep Date: **1/8/2024**	Analysis Date: **1/8/2024**	SeqNo: **3778327** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79786**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79786**	RunNo: **102317**
Prep Date: **1/8/2024**	Analysis Date: **1/8/2024**	SeqNo: **3778328** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401253**

11-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2401253-001AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **BS23-156 0'** Batch ID: **79783** RunNo: **102322**

Prep Date: **1/8/2024** Analysis Date: **1/8/2024** SeqNo: **3778479** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.4	46.82	0	89.8	54.2	135			
Surr: DNOP	5.1		4.682		109	69	147			

Sample ID: **2401253-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **BS23-156 0'** Batch ID: **79783** RunNo: **102322**

Prep Date: **1/8/2024** Analysis Date: **1/8/2024** SeqNo: **3778480** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.9	49.50	0	91.8	54.2	135	7.87	29.2	
Surr: DNOP	5.4		4.950		110	69	147	0	0	

Sample ID: **LCS-79783** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **79783** RunNo: **102322**

Prep Date: **1/8/2024** Analysis Date: **1/8/2024** SeqNo: **3778536** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.2	61.9	130			
Surr: DNOP	4.8		5.000		95.5	69	147			

Sample ID: **MB-79783** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **79783** RunNo: **102322**

Prep Date: **1/8/2024** Analysis Date: **1/8/2024** SeqNo: **3778540** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.6	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401253**

11-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79772** SampType: **LCS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **LCSS** Batch ID: **79772** RunNo: **102331**

Prep Date: **1/8/2024** Analysis Date: **1/9/2024** SeqNo: **3778719** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.6	70	130			
Surr: BFB	2000		1000		204	15	244			

Sample ID: **mb-79772** SampType: **MBLK** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **PBS** Batch ID: **79772** RunNo: **102331**

Prep Date: **1/8/2024** Analysis Date: **1/9/2024** SeqNo: **3778720** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	15	244			

Sample ID: **2401253-001AMS** SampType: **MS** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **BS23-156 0'** Batch ID: **79772** RunNo: **102331**

Prep Date: **1/8/2024** Analysis Date: **1/9/2024** SeqNo: **3779341** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.49	0	97.0	70	130			
Surr: BFB	2100		979.4		213	15	244			

Sample ID: **2401253-001AMSD** SampType: **MSD** TestCode: **EPA Method 8015D: Gasoline Range**

Client ID: **BS23-156 0'** Batch ID: **79772** RunNo: **102331**

Prep Date: **1/8/2024** Analysis Date: **1/9/2024** SeqNo: **3779343** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.39	0	96.4	70	130	0.929	20	
Surr: BFB	2100		975.6		214	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401253**

11-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79772**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79772**	RunNo: **102331**
Prep Date: **1/8/2024**	Analysis Date: **1/9/2024**	SeqNo: **3778737** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.1	70	130			
Toluene	0.90	0.050	1.000	0	90.4	70	130			
Ethylbenzene	0.91	0.050	1.000	0	91.2	70	130			
Xylenes, Total	2.7	0.10	3.000	0	91.5	70	130			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	39.1	146			

Sample ID: **mb-79772**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79772**	RunNo: **102331**
Prep Date: **1/8/2024**	Analysis Date: **1/9/2024**	SeqNo: **3778738** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		93.4	39.1	146			

Sample ID: **2401253-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-157 0'**	Batch ID: **79772**	RunNo: **102331**
Prep Date: **1/8/2024**	Analysis Date: **1/9/2024**	SeqNo: **3779364** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.024	0.9461	0	89.9	70	130			
Toluene	0.86	0.047	0.9461	0	90.9	70	130			
Ethylbenzene	0.87	0.047	0.9461	0	92.4	70	130			
Xylenes, Total	2.6	0.095	2.838	0	91.8	70	130			
Surr: 4-Bromofluorobenzene	0.90		0.9461		95.0	39.1	146			

Sample ID: **2401253-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-157 0'**	Batch ID: **79772**	RunNo: **102331**
Prep Date: **1/8/2024**	Analysis Date: **1/9/2024**	SeqNo: **3779366** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9416	0	93.5	70	130	3.43	20	
Toluene	0.89	0.047	0.9416	0	94.6	70	130	3.44	20	
Ethylbenzene	0.90	0.047	0.9416	0	96.1	70	130	3.51	20	
Xylenes, Total	2.7	0.094	2.825	0	96.8	70	130	4.84	20	
Surr: 4-Bromofluorobenzene	0.91		0.9416		96.4	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Vertex Resources** Work Order Number: **2401253** RcptNo: **1**

Received By: **Cheyenne Cason** **1/6/2024 8:35:00 AM**

Completed By: **Cheyenne Cason** **1/6/2024 8:50:02 AM**

Reviewed By: SCM 1/8/24

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: CMC 1/6/24

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good	Not Present	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Sally Carttar

Sampler: L. Pullman

On Ice: ☑ Yes ☐ No Yogi

# of Coolers: 2 1 0.6 -0 =0.6

Cooler Temp(including CF): 3.1 -0 =3.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	CMC 1/6/24 HEAL No. 2401253	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
01/03/24	2:00	Soil	BS23-156 0'	1, 4oz jar		001	X	X					X			
01/03/24	2:00	Soil	BS23-157 0'	1, 4oz jar		002	X	X					X			
01/03/24	2:05	Soil	BS23-158 0'	1, 4oz jar		003	X	X					X			
01/03/24	2:05	Soil	BS23-159 0'	1, 4oz jar		004	X	X					X			
01/03/24	2:10	Soil	BS23-160 0'	1, 4oz jar		005	X	X					X			
01/03/24	2:10	Soil	BS23-161 0'	1, 4oz jar		006	X	X					X			
01/03/24	2:15	Soil	BS23-162 0'	1, 4oz jar		007	X	X					X			
01/03/24	2:15	Soil	BS23-163 0'	1, 4oz jar		008	X	X					X			
01/03/24	2:20	Soil	BS23-164 0'	1, 4oz jar		009	X	X					X			
01/03/24	2:20	Soil	BS23-165 0'	1, 4oz jar		010	X	X					X			
01/03/24	2:25	Soil	BS23-166 0'	1, 4oz jar		011	X	X					X			
01/03/24	2:25	Soil	BS23-167 0'	1, 4oz jar		012	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
1-4-24	07:00	Sally Pullman				
1/5/24	1900				1/5/24	0700
		Relinquished by:	Received by:	Via:	Date	Time
			CMC Courier		1/6/24	0835

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

1/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name:
Prometheus

Project #:
23E-03329

Project Manager:
Sally Carttar

Sampler: L. Pullman
On Ice: ☑ Yes ☐ No Yes!
# of Coolers:
Cooler Temp(including CF): See 's page

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401253	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
01/03/24	2:30	Soil	BS23-168 0'	1, 4oz jar		013	X	X					X			
01/03/24	2:30	Soil	BS23-169 0'	1, 4oz jar		014	X	X					X			
01/03/24	2:35	Soil	BS23-170 0'	1, 4oz jar		015	X	X					X			
01/03/24	2:35	Soil	BS23-171 0'	1, 4oz jar		016	X	X					X			

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1-4-24	07:00	Sabrina Pullman				
1/5/24	1900				1/5/24	700
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					1/6/24	0855

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

2/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 15, 2024

Sally Carttar

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2401304

Dear Sally Carttar:

Eurofins Environment Testing South Central, LLC received 28 sample(s) on 1/9/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-172 0'
Project: Prometheus
Collection Date: 1/6/2024 2:00:00 PM
Lab ID: 2401304-001 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/10/2024 5:26:30 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/10/2024 5:26:30 PM
Surr: DNOP	99.4	69-147		%Rec	1	1/10/2024 5:26:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 11:46:00 AM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 11:46:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 11:46:00 AM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 11:46:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 11:46:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 11:46:00 AM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	1/10/2024 11:46:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	150	60		mg/Kg	20	1/11/2024 12:30:17 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-173 0'
Project: Prometheus
Collection Date: 1/6/2024 2:05:00 PM
Lab ID: 2401304-002 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/10/2024 5:58:34 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/10/2024 5:58:34 PM
Surr: DNOP	109	69-147		%Rec	1	1/10/2024 5:58:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 12:52:00 PM
Surr: BFB	108	15-244		%Rec	1	1/10/2024 12:52:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 12:52:00 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 12:52:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 12:52:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 12:52:00 PM
Surr: 4-Bromofluorobenzene	98.7	39.1-146		%Rec	1	1/10/2024 12:52:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 3:22:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-174 0'
Project: Prometheus
Collection Date: 1/6/2024 2:05:00 PM
Lab ID: 2401304-003 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/10/2024 6:09:22 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/10/2024 6:09:22 PM
Surr: DNOP	110	69-147		%Rec	1	1/10/2024 6:09:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2024 1:58:00 PM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 1:58:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 1:58:00 PM
Toluene	ND	0.048		mg/Kg	1	1/10/2024 1:58:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2024 1:58:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/10/2024 1:58:00 PM
Surr: 4-Bromofluorobenzene	96.6	39.1-146		%Rec	1	1/10/2024 1:58:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 3:34:29 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-175 0'
Project: Prometheus
Collection Date: 1/6/2024 2:10:00 PM
Lab ID: 2401304-004 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	14	10		mg/Kg	1	1/10/2024 6:20:08 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/10/2024 6:20:08 PM
Surr: DNOP	96.6	69-147		%Rec	1	1/10/2024 6:20:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/10/2024 2:20:00 PM
Surr: BFB	101	15-244		%Rec	1	1/10/2024 2:20:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/10/2024 2:20:00 PM
Toluene	ND	0.050		mg/Kg	1	1/10/2024 2:20:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/10/2024 2:20:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/10/2024 2:20:00 PM
Surr: 4-Bromofluorobenzene	96.3	39.1-146		%Rec	1	1/10/2024 2:20:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	270	60		mg/Kg	20	1/10/2024 3:46:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-176 0'
Project: Prometheus **Collection Date:** 1/6/2024 2:10:00 PM
Lab ID: 2401304-005 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/10/2024 6:30:42 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/10/2024 6:30:42 PM
Surr: DNOP	109	69-147		%Rec	1	1/10/2024 6:30:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2024 2:42:00 PM
Surr: BFB	106	15-244		%Rec	1	1/10/2024 2:42:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.023		mg/Kg	1	1/10/2024 2:42:00 PM
Toluene	ND	0.047		mg/Kg	1	1/10/2024 2:42:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2024 2:42:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	1/10/2024 2:42:00 PM
Surr: 4-Bromofluorobenzene	98.6	39.1-146		%Rec	1	1/10/2024 2:42:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 3:59:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-177 0'
Project: Prometheus
Collection Date: 1/6/2024 2:15:00 PM
Lab ID: 2401304-006 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	12	9.9		mg/Kg	1	1/10/2024 6:41:26 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/10/2024 6:41:26 PM
Surr: DNOP	97.4	69-147		%Rec	1	1/10/2024 6:41:26 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2024 3:04:00 PM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 3:04:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 3:04:00 PM
Toluene	ND	0.048		mg/Kg	1	1/10/2024 3:04:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2024 3:04:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 3:04:00 PM
Surr: 4-Bromofluorobenzene	99.7	39.1-146		%Rec	1	1/10/2024 3:04:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 4:11:42 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-178 0'
Project: Prometheus
Collection Date: 1/6/2024 2:15:00 PM
Lab ID: 2401304-007 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/10/2024 6:51:58 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/10/2024 6:51:58 PM
Surr: DNOP	100	69-147		%Rec	1	1/10/2024 6:51:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 3:26:00 PM
Surr: BFB	106	15-244		%Rec	1	1/10/2024 3:26:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/10/2024 3:26:00 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 3:26:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 3:26:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	1/10/2024 3:26:00 PM
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	1/10/2024 3:26:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	320	60		mg/Kg	20	1/10/2024 4:24:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-179 0'
Project: Prometheus
Collection Date: 1/6/2024 2:20:00 PM
Lab ID: 2401304-008 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/10/2024 7:02:29 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/10/2024 7:02:29 PM
Surr: DNOP	102	69-147		%Rec	1	1/10/2024 7:02:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2024 3:48:00 PM
Surr: BFB	106	15-244		%Rec	1	1/10/2024 3:48:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 3:48:00 PM
Toluene	ND	0.047		mg/Kg	1	1/10/2024 3:48:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2024 3:48:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/10/2024 3:48:00 PM
Surr: 4-Bromofluorobenzene	98.8	39.1-146		%Rec	1	1/10/2024 3:48:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	320	60		mg/Kg	20	1/10/2024 4:36:32 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-180 0'
Project: Prometheus **Collection Date:** 1/6/2024 2:20:00 PM
Lab ID: 2401304-009 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/10/2024 7:23:20 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/10/2024 7:23:20 PM
Surr: DNOP	97.4	69-147		%Rec	1	1/10/2024 7:23:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/10/2024 4:10:00 PM
Surr: BFB	105	15-244		%Rec	1	1/10/2024 4:10:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/10/2024 4:10:00 PM
Toluene	ND	0.050		mg/Kg	1	1/10/2024 4:10:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/10/2024 4:10:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/10/2024 4:10:00 PM
Surr: 4-Bromofluorobenzene	98.0	39.1-146		%Rec	1	1/10/2024 4:10:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	68	60		mg/Kg	20	1/10/2024 4:48:56 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-181 0'
Project: Prometheus
Collection Date: 1/6/2024 2:25:00 PM
Lab ID: 2401304-010 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/10/2024 7:33:48 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/10/2024 7:33:48 PM
Surr: DNOP	93.9	69-147		%Rec	1	1/10/2024 7:33:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 4:32:00 PM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 4:32:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 4:32:00 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 4:32:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 4:32:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 4:32:00 PM
Surr: 4-Bromofluorobenzene	98.7	39.1-146		%Rec	1	1/10/2024 4:32:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 5:01:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-182 0'
Project: Prometheus
Collection Date: 1/6/2024 2:25:00 PM
Lab ID: 2401304-011 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/10/2024 7:44:16 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/10/2024 7:44:16 PM
Surr: DNOP	93.8	69-147		%Rec	1	1/10/2024 7:44:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2024 5:16:00 PM
Surr: BFB	105	15-244		%Rec	1	1/10/2024 5:16:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.023		mg/Kg	1	1/10/2024 5:16:00 PM
Toluene	ND	0.047		mg/Kg	1	1/10/2024 5:16:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2024 5:16:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/10/2024 5:16:00 PM
Surr: 4-Bromofluorobenzene	97.8	39.1-146		%Rec	1	1/10/2024 5:16:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	260	60		mg/Kg	20	1/10/2024 5:13:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-183 0'
Project: Prometheus **Collection Date:** 1/6/2024 2:30:00 PM
Lab ID: 2401304-012 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/10/2024 7:54:42 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/10/2024 7:54:42 PM
Surr: DNOP	80.6	69-147		%Rec	1	1/10/2024 7:54:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 5:38:00 PM
Surr: BFB	108	15-244		%Rec	1	1/10/2024 5:38:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 5:38:00 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 5:38:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 5:38:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 5:38:00 PM
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	1/10/2024 5:38:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 5:50:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-184 0'
Project: Prometheus **Collection Date:** 1/6/2024 2:30:00 PM
Lab ID: 2401304-013 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/10/2024 8:05:08 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/10/2024 8:05:08 PM
Surr: DNOP	102	69-147		%Rec	1	1/10/2024 8:05:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2024 6:00:00 PM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 6:00:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 6:00:00 PM
Toluene	ND	0.048		mg/Kg	1	1/10/2024 6:00:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2024 6:00:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/10/2024 6:00:00 PM
Surr: 4-Bromofluorobenzene	97.2	39.1-146		%Rec	1	1/10/2024 6:00:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	240	60		mg/Kg	20	1/10/2024 6:03:24 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-185 0'
Project: Prometheus **Collection Date:** 1/6/2024 2:35:00 PM
Lab ID: 2401304-014 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	16	9.6		mg/Kg	1	1/10/2024 8:15:32 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/10/2024 8:15:32 PM
Surr: DNOP	98.5	69-147		%Rec	1	1/10/2024 8:15:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 6:21:00 PM
Surr: BFB	108	15-244		%Rec	1	1/10/2024 6:21:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/10/2024 6:21:00 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 6:21:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 6:21:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/10/2024 6:21:00 PM
Surr: 4-Bromofluorobenzene	95.7	39.1-146		%Rec	1	1/10/2024 6:21:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 6:15:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-186 0'
Project: Prometheus
Collection Date: 1/6/2024 2:35:00 PM
Lab ID: 2401304-015 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	1/10/2024 8:26:05 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/10/2024 8:26:05 PM
Surr: DNOP	106	69-147		%Rec	1	1/10/2024 8:26:05 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/10/2024 6:43:00 PM
Surr: BFB	106	15-244		%Rec	1	1/10/2024 6:43:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.023		mg/Kg	1	1/10/2024 6:43:00 PM
Toluene	ND	0.046		mg/Kg	1	1/10/2024 6:43:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	1/10/2024 6:43:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	1/10/2024 6:43:00 PM
Surr: 4-Bromofluorobenzene	98.5	39.1-146		%Rec	1	1/10/2024 6:43:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	240	61		mg/Kg	20	1/10/2024 6:28:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-187 0'
Project: Prometheus
Collection Date: 1/6/2024 2:40:00 PM
Lab ID: 2401304-016 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/10/2024 8:36:27 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/10/2024 8:36:27 PM
Surr: DNOP	95.5	69-147		%Rec	1	1/10/2024 8:36:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2024 7:05:00 PM
Surr: BFB	106	15-244		%Rec	1	1/10/2024 7:05:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 7:05:00 PM
Toluene	ND	0.047		mg/Kg	1	1/10/2024 7:05:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2024 7:05:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/10/2024 7:05:00 PM
Surr: 4-Bromofluorobenzene	98.2	39.1-146		%Rec	1	1/10/2024 7:05:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 6:40:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-188 0'
Project: Prometheus **Collection Date:** 1/6/2024 2:40:00 PM
Lab ID: 2401304-017 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/10/2024 8:46:47 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/10/2024 8:46:47 PM
Surr: DNOP	108	69-147		%Rec	1	1/10/2024 8:46:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2024 7:27:00 PM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 7:27:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 7:27:00 PM
Toluene	ND	0.047		mg/Kg	1	1/10/2024 7:27:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2024 7:27:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/10/2024 7:27:00 PM
Surr: 4-Bromofluorobenzene	95.3	39.1-146		%Rec	1	1/10/2024 7:27:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	140	60		mg/Kg	20	1/10/2024 6:53:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-189 0'
Project: Prometheus
Collection Date: 1/6/2024 2:45:00 PM
Lab ID: 2401304-018 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	10	9.4		mg/Kg	1	1/10/2024 8:57:08 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/10/2024 8:57:08 PM
Surr: DNOP	99.9	69-147		%Rec	1	1/10/2024 8:57:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2024 7:49:00 PM
Surr: BFB	109	15-244		%Rec	1	1/10/2024 7:49:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 7:49:00 PM
Toluene	ND	0.048		mg/Kg	1	1/10/2024 7:49:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2024 7:49:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/10/2024 7:49:00 PM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	1/10/2024 7:49:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 7:05:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-190 0'
Project: Prometheus **Collection Date:** 1/6/2024 2:45:00 PM
Lab ID: 2401304-019 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/10/2024 9:07:31 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/10/2024 9:07:31 PM
Surr: DNOP	102	69-147		%Rec	1	1/10/2024 9:07:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2024 8:11:00 PM
Surr: BFB	108	15-244		%Rec	1	1/10/2024 8:11:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 8:11:00 PM
Toluene	ND	0.048		mg/Kg	1	1/10/2024 8:11:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2024 8:11:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/10/2024 8:11:00 PM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	1/10/2024 8:11:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 7:17:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-191 0'
Project: Prometheus **Collection Date:** 1/6/2024 2:50:00 PM
Lab ID: 2401304-020 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/10/2024 9:17:53 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/10/2024 9:17:53 PM
Surr: DNOP	113	69-147		%Rec	1	1/10/2024 9:17:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2024 8:33:00 PM
Surr: BFB	105	15-244		%Rec	1	1/10/2024 8:33:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 8:33:00 PM
Toluene	ND	0.047		mg/Kg	1	1/10/2024 8:33:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2024 8:33:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/10/2024 8:33:00 PM
Surr: 4-Bromofluorobenzene	97.0	39.1-146		%Rec	1	1/10/2024 8:33:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 7:30:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-192 0'
Project: Prometheus **Collection Date:** 1/6/2024 2:50:00 PM
Lab ID: 2401304-021 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/11/2024 6:41:11 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/11/2024 6:41:11 PM
Surr: DNOP	106	69-147		%Rec	1	1/11/2024 6:41:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/10/2024 5:01:11 PM
Surr: BFB	109	15-244		%Rec	1	1/10/2024 5:01:11 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	1/10/2024 5:01:11 PM
Toluene	ND	0.050		mg/Kg	1	1/10/2024 5:01:11 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/10/2024 5:01:11 PM
Xylenes, Total	ND	0.10		mg/Kg	1	1/10/2024 5:01:11 PM
Surr: 4-Bromofluorobenzene	98.4	39.1-146		%Rec	1	1/10/2024 5:01:11 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 8:32:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-193 0'
Project: Prometheus
Collection Date: 1/6/2024 2:55:00 PM
Lab ID: 2401304-022 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/11/2024 8:14:10 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/11/2024 8:14:10 PM
Surr: DNOP	104	69-147		%Rec	1	1/11/2024 8:14:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2024 6:13:14 PM
Surr: BFB	110	15-244		%Rec	1	1/10/2024 6:13:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 6:13:14 PM
Toluene	ND	0.048		mg/Kg	1	1/10/2024 6:13:14 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2024 6:13:14 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/10/2024 6:13:14 PM
Surr: 4-Bromofluorobenzene	99.3	39.1-146		%Rec	1	1/10/2024 6:13:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 8:44:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-194 0'
Project: Prometheus
Collection Date: 1/6/2024 2:55:00 PM
Lab ID: 2401304-023 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/11/2024 8:37:21 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/11/2024 8:37:21 PM
Surr: DNOP	107	69-147		%Rec	1	1/11/2024 8:37:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2024 7:24:16 PM
Surr: BFB	108	15-244		%Rec	1	1/10/2024 7:24:16 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 7:24:16 PM
Toluene	ND	0.048		mg/Kg	1	1/10/2024 7:24:16 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2024 7:24:16 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 7:24:16 PM
Surr: 4-Bromofluorobenzene	98.0	39.1-146		%Rec	1	1/10/2024 7:24:16 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 8:57:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-195 0'
Project: Prometheus **Collection Date:** 1/6/2024 3:00:00 PM
Lab ID: 2401304-024 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/11/2024 9:00:29 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 9:00:29 PM
Surr: DNOP	103	69-147		%Rec	1	1/11/2024 9:00:29 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 7:48:19 PM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 7:48:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 7:48:19 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 7:48:19 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 7:48:19 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 7:48:19 PM
Surr: 4-Bromofluorobenzene	97.3	39.1-146		%Rec	1	1/10/2024 7:48:19 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 9:34:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-196 0'
Project: Prometheus
Collection Date: 1/6/2024 3:00:00 PM
Lab ID: 2401304-025 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/11/2024 9:23:45 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 9:23:45 PM
Surr: DNOP	103	69-147		%Rec	1	1/11/2024 9:23:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2024 8:11:52 PM
Surr: BFB	108	15-244		%Rec	1	1/10/2024 8:11:52 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 8:11:52 PM
Toluene	ND	0.047		mg/Kg	1	1/10/2024 8:11:52 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2024 8:11:52 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/10/2024 8:11:52 PM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	1/10/2024 8:11:52 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 10:36:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-197 0'
Project: Prometheus
Collection Date: 1/6/2024 3:05:00 PM
Lab ID: 2401304-026 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/11/2024 9:46:58 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/11/2024 9:46:58 PM
Surr: DNOP	105	69-147		%Rec	1	1/11/2024 9:46:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 8:35:25 PM
Surr: BFB	106	15-244		%Rec	1	1/10/2024 8:35:25 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	1/10/2024 8:35:25 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 8:35:25 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 8:35:25 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/10/2024 8:35:25 PM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	1/10/2024 8:35:25 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 10:48:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-198 0'
Project: Prometheus
Collection Date: 1/6/2024 3:05:00 PM
Lab ID: 2401304-027 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/11/2024 10:10:19 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 10:10:19 PM
Surr: DNOP	105	69-147		%Rec	1	1/11/2024 10:10:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2024 8:59:00 PM
Surr: BFB	108	15-244		%Rec	1	1/10/2024 8:59:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	1/10/2024 8:59:00 PM
Toluene	ND	0.047		mg/Kg	1	1/10/2024 8:59:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2024 8:59:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/10/2024 8:59:00 PM
Surr: 4-Bromofluorobenzene	98.9	39.1-146		%Rec	1	1/10/2024 8:59:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 11:01:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401304**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-199 0'
Project: Prometheus **Collection Date:** 1/6/2024 3:10:00 PM
Lab ID: 2401304-028 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/11/2024 10:33:32 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/11/2024 10:33:32 PM
Surr: DNOP	105	69-147		%Rec	1	1/11/2024 10:33:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 9:22:33 PM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 9:22:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 9:22:33 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 9:22:33 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 9:22:33 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 9:22:33 PM
Surr: 4-Bromofluorobenzene	97.1	39.1-146		%Rec	1	1/10/2024 9:22:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 11:13:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401304**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79835**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79835**	RunNo: **102351**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780593** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79835**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79835**	RunNo: **102351**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3780594** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Sample ID: **MB-79847**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79847**	RunNo: **102373**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780755** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79847**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79847**	RunNo: **102373**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780756** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401304**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2401304-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-172 0'**	Batch ID: **79819**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780702** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.3	46.55	0	92.7	54.2	135			
Surr: DNOP	4.8		4.655		103	69	147			

Sample ID: **2401304-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-172 0'**	Batch ID: **79819**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780703** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.2	46.21	0	95.4	54.2	135	2.07	29.2	
Surr: DNOP	4.8		4.621		103	69	147	0	0	

Sample ID: **LCS-79819**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79819**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780725** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.4	61.9	130			
Surr: DNOP	5.1		5.000		102	69	147			

Sample ID: **MB-79819**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79819**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780729** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	69	147			

Sample ID: **MB-79820**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79820**	RunNo: **102404**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3782050** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401304**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79820**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79820**	RunNo: **102404**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3782051** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	61.9	130			
Surr: DNOP	5.3		5.000		106	69	147			

Sample ID: **2401304-021AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-192 0'**	Batch ID: **79820**	RunNo: **102404**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3782053** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.3	46.43	0	96.8	54.2	135			
Surr: DNOP	5.0		4.643		107	69	147			

Sample ID: **2401304-021AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-192 0'**	Batch ID: **79820**	RunNo: **102404**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3782054** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.3	46.51	0	96.6	54.2	135	0.0328	29.2	
Surr: DNOP	5.0		4.651		107	69	147	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401304**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79801**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780163** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.6	70	130			
Surr: BFB	2200		1000		224	15	244			

Sample ID: **mb-79801**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780164** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		112	15	244			

Sample ID: **2401304-021ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-192 0'**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780167** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	70	130			
Surr: BFB	2300		1000		230	15	244			

Sample ID: **2401304-021amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-192 0'**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780168** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.68	0	104	70	130	0.285	20	
Surr: BFB	2300		987.2		228	15	244	0	0	

Sample ID: **lcs-79796**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79796**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780321** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.1	70	130			
Surr: BFB	2200		1000		220	15	244			

Sample ID: **mb-79796**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79796**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780322** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401304**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **mb-79796**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79796**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780322** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	15	244			

Sample ID: **2401304-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-172 0'**	Batch ID: **79796**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780324** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.37	0	86.7	70	130			
Surr: BFB	2200		974.7		222	15	244			

Sample ID: **2401304-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-172 0'**	Batch ID: **79796**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780325** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.51	0	84.8	70	130	1.61	20	
Surr: BFB	2100		980.4		214	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401304**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79801**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780195** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	70	130			
Toluene	0.93	0.050	1.000	0	93.4	70	130			
Ethylbenzene	0.96	0.050	1.000	0	95.5	70	130			
Xylenes, Total	2.9	0.10	3.000	0	96.0	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **mb-79801**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780196** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	39.1	146			

Sample ID: **2401304-022ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-193 0'**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780199** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9470	0	92.2	70	130			
Toluene	0.89	0.047	0.9470	0	94.5	70	130			
Ethylbenzene	0.91	0.047	0.9470	0	96.4	70	130			
Xylenes, Total	2.8	0.095	2.841	0	97.3	70	130			
Surr: 4-Bromofluorobenzene	0.95		0.9470		99.9	39.1	146			

Sample ID: **2401304-022amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-193 0'**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780200** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9515	0	96.6	70	130	5.16	20	
Toluene	0.93	0.048	0.9515	0	97.9	70	130	4.09	20	
Ethylbenzene	0.95	0.048	0.9515	0	99.7	70	130	3.79	20	
Xylenes, Total	2.9	0.095	2.854	0	99.9	70	130	3.16	20	
Surr: 4-Bromofluorobenzene	0.99		0.9515		104	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401304**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79796**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79796**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780375** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.1	70	130			
Toluene	0.90	0.050	1.000	0	90.0	70	130			
Ethylbenzene	0.91	0.050	1.000	0	91.5	70	130			
Xylenes, Total	2.8	0.10	3.000	0	92.1	70	130			
Surr: 4-Bromofluorobenzene	0.99		1.000		98.6	39.1	146			

Sample ID: **mb-79796**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79796**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780376** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	39.1	146			

Sample ID: **2401304-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-173 0'**	Batch ID: **79796**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780379** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9747	0	91.2	70	130			
Toluene	0.89	0.049	0.9747	0	91.5	70	130			
Ethylbenzene	0.92	0.049	0.9747	0	93.9	70	130			
Xylenes, Total	2.8	0.097	2.924	0	94.5	70	130			
Surr: 4-Bromofluorobenzene	0.95		0.9747		97.7	39.1	146			

Sample ID: **2401304-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-173 0'**	Batch ID: **79796**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780380** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9653	0	94.7	70	130	2.81	20	
Toluene	0.92	0.048	0.9653	0	95.6	70	130	3.44	20	
Ethylbenzene	0.95	0.048	0.9653	0	98.6	70	130	3.90	20	
Xylenes, Total	2.9	0.097	2.896	0	98.8	70	130	3.47	20	
Surr: 4-Bromofluorobenzene	0.94		0.9653		97.3	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Vertex Resources** Work Order Number: **2401304** RcptNo: 1

Received By: **Juan Rojas** **1/9/2024 7:30:00 AM**

Completed By: **Cheyenne Cason** **1/9/2024 7:42:19 AM**

Reviewed By: 1-9-24

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JR 1/9/24

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good	Not Present	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Sally Carttar

Sampler: L. Pullman

On Ice: ~~☐~~ Yes ☐ No

# of Coolers: 1 Yes

Cooler Temp(including CF): 0.6-0.1=0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401304	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
01/06/24	14:00	Soil	BS23-172 0'	1, 4oz jar		001	X	X					X			
01/06/24	14:05	Soil	BS23-173 0'	1, 4oz jar		002	X	X					X			
01/06/24	14:05	Soil	BS23-174 0'	1, 4oz jar		003	X	X					X			
01/06/24	14:10	Soil	BS23-175 0'	1, 4oz jar		004	X	X					X			
01/06/24	14:10	Soil	BS23-176 0'	1, 4oz jar		005	X	X					X			
01/06/24	14:15	Soil	BS23-177 0'	1, 4oz jar		006	X	X					X			
01/06/24	14:15	Soil	BS23-178 0'	1, 4oz jar		007	X	X					X			
01/06/24	14:20	Soil	BS23-179 0'	1, 4oz jar		008	X	X					X			
01/06/24	14:20	Soil	BS23-180 0'	1, 4oz jar		009	X	X					X			
01/06/24	14:25	Soil	BS23-181 0'	1, 4oz jar		010	X	X					X			
01/06/24	14:25	Soil	BS23-182 0'	1, 4oz jar		011	X	X					X			
01/06/24	14:30	Soil	BS23-183 0'	1, 4oz jar		012	X	X					X			

Analysis Request

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
1-8-24	07:00	Jake Pullman				
1/8/24	1900			courier	1/9/24	7:30

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report
Base samples can remain labeled BS23

1/3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Sally Carttar

Sampler: L. Pullman

On Ice: ☐ Yes ☐ No

# of Coolers: 1 4 oz

Cooler Temp(Including CF): 0.6-0.1=0.5

HEAL No. 2401304 1/9/24 ~~2301304~~

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
01/06/24	14:30	Soil	BS23-184 0'	1, 4oz jar		013	X	X					X			
01/06/24	14:35	Soil	BS23-185 0'	1, 4oz jar		014	X	X					X			
01/06/24	14:35	Soil	BS23-186 0'	1, 4oz jar		015	X	X					X			
01/06/24	14:40	Soil	BS23-187 0'	1, 4oz jar		016	X	X					X			
01/06/24	14:40	Soil	BS23-188 0'	1, 4oz jar		017	X	X					X			
01/06/24	14:45	Soil	BS23-189 0'	1, 4oz jar		018	X	X					X			
01/06/24	14:45	Soil	BS23-190 0'	1, 4oz jar		019	X	X					X			
01/06/24	14:50	Soil	BS23-191 0'	1, 4oz jar		020	X	X					X			
01/06/24	14:50	Soil	BS23-192 0'	1, 4oz jar		021	X	X					X			
01/06/24	14:55	Soil	BS23-193 0'	1, 4oz jar		022	X	X					X			
01/06/24	14:55	Soil	BS23-194 0'	1, 4oz jar		023	X	X					X			
01/06/24	15:00	Soil	BS23-195 0'	1, 4oz jar		024	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
1-8-24	0730				1/8/24	0700
1/8/24	1900			courier	1/9/24	7:30

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report
Base samples can remain labeled BS23

2/3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name:
Prometheus

Project #:
23E-03329

Project Manager:
Sally Carttar

Sampler: L. Pullman
On Ice: ☑ Yes ☐ No
# of Coolers: 1 Yoqi
Cooler Temp(Including CF): 0.6-0.1=0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401304	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
01/06/24	15:00	Soil	BS23-196 0'	1, 4oz jar		025	X	X					X			
01/06/24	15:05	Soil	BS23-197 0'	1, 4oz jar		026	X	X					X			
01/06/24	15:05	Soil	BS23-198 0'	1, 4oz jar		027	X	X					X			
01/06/24	15:10	Soil	BS23-199 0'	1, 4oz jar		028	X	X					X			

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1-8-24	07:00	Sabe Pullman			1/8/24	0700
1/8/24	1900			courier	1/9/24	7:30

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report
Base samples can remain labeled BS23

3/3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 15, 2024

Sally Carttar

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2401305

Dear Sally Carttar:

Eurofins Environment Testing South Central, LLC received 35 sample(s) on 1/9/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-200 0'
Project: Prometheus
Collection Date: 1/7/2024 7:45:00 AM
Lab ID: 2401305-001 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/11/2024 10:56:49 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 10:56:49 PM
Surr: DNOP	108	69-147		%Rec	1	1/11/2024 10:56:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 9:46:13 PM
Surr: BFB	110	15-244		%Rec	1	1/10/2024 9:46:13 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	1/10/2024 9:46:13 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 9:46:13 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 9:46:13 PM
Xylenes, Total	ND	0.099		mg/Kg	1	1/10/2024 9:46:13 PM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	1/10/2024 9:46:13 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 11:26:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-201 0'
Project: Prometheus **Collection Date:** 1/7/2024 7:45:00 AM
Lab ID: 2401305-002 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	12	9.5		mg/Kg	1	1/11/2024 11:20:06 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 11:20:06 PM
Surr: DNOP	106	69-147		%Rec	1	1/11/2024 11:20:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2024 10:09:54 PM
Surr: BFB	105	15-244		%Rec	1	1/10/2024 10:09:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 10:09:54 PM
Toluene	ND	0.048		mg/Kg	1	1/10/2024 10:09:54 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2024 10:09:54 PM
Xylenes, Total	ND	0.096		mg/Kg	1	1/10/2024 10:09:54 PM
Surr: 4-Bromofluorobenzene	95.8	39.1-146		%Rec	1	1/10/2024 10:09:54 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 11:38:25 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-202 0'
Project: Prometheus **Collection Date:** 1/7/2024 7:50:00 AM
Lab ID: 2401305-003 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/12/2024 12:06:38 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 12:06:38 AM
Surr: DNOP	106	69-147		%Rec	1	1/12/2024 12:06:38 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 10:57:18 PM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 10:57:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 10:57:18 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 10:57:18 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 10:57:18 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 10:57:18 PM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	1/10/2024 10:57:18 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/10/2024 11:50:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-203 0'
Project: Prometheus **Collection Date:** 1/7/2024 7:50:00 AM
Lab ID: 2401305-004 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/12/2024 12:29:51 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/12/2024 12:29:51 AM
Surr: DNOP	107	69-147		%Rec	1	1/12/2024 12:29:51 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/10/2024 11:21:02 PM
Surr: BFB	107	15-244		%Rec	1	1/10/2024 11:21:02 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	1/10/2024 11:21:02 PM
Toluene	ND	0.047		mg/Kg	1	1/10/2024 11:21:02 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/10/2024 11:21:02 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/10/2024 11:21:02 PM
Surr: 4-Bromofluorobenzene	97.0	39.1-146		%Rec	1	1/10/2024 11:21:02 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 12:03:15 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-204 0'
Project: Prometheus **Collection Date:** 1/7/2024 7:55:00 AM
Lab ID: 2401305-005 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/12/2024 12:53:06 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 12:53:06 AM
Surr: DNOP	106	69-147		%Rec	1	1/12/2024 12:53:06 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/10/2024 11:44:50 PM
Surr: BFB	105	15-244		%Rec	1	1/10/2024 11:44:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	1/10/2024 11:44:50 PM
Toluene	ND	0.046		mg/Kg	1	1/10/2024 11:44:50 PM
Ethylbenzene	ND	0.046		mg/Kg	1	1/10/2024 11:44:50 PM
Xylenes, Total	ND	0.093		mg/Kg	1	1/10/2024 11:44:50 PM
Surr: 4-Bromofluorobenzene	94.9	39.1-146		%Rec	1	1/10/2024 11:44:50 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 12:15:39 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-205 0'
Project: Prometheus **Collection Date:** 1/7/2024 7:55:00 AM
Lab ID: 2401305-006 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/12/2024 1:16:17 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 1:16:17 AM
Surr: DNOP	109	69-147		%Rec	1	1/12/2024 1:16:17 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 12:08:45 AM
Surr: BFB	105	15-244		%Rec	1	1/11/2024 12:08:45 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 12:08:45 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 12:08:45 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 12:08:45 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/11/2024 12:08:45 AM
Surr: 4-Bromofluorobenzene	94.8	39.1-146		%Rec	1	1/11/2024 12:08:45 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 12:28:04 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-206 0'
Project: Prometheus
Collection Date: 1/7/2024 8:00:00 AM
Lab ID: 2401305-007 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/12/2024 1:39:29 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/12/2024 1:39:29 AM
Surr: DNOP	111	69-147		%Rec	1	1/12/2024 1:39:29 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/11/2024 12:32:48 AM
Surr: BFB	106	15-244		%Rec	1	1/11/2024 12:32:48 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 12:32:48 AM
Toluene	ND	0.048		mg/Kg	1	1/11/2024 12:32:48 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/11/2024 12:32:48 AM
Xylenes, Total	ND	0.096		mg/Kg	1	1/11/2024 12:32:48 AM
Surr: 4-Bromofluorobenzene	97.4	39.1-146		%Rec	1	1/11/2024 12:32:48 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 1:05:18 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-207 0'
Project: Prometheus
Collection Date: 1/7/2024 8:00:00 AM
Lab ID: 2401305-008 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/12/2024 2:02:42 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 2:02:42 AM
Surr: DNOP	105	69-147		%Rec	1	1/12/2024 2:02:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/11/2024 12:56:46 AM
Surr: BFB	107	15-244		%Rec	1	1/11/2024 12:56:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 12:56:46 AM
Toluene	ND	0.050		mg/Kg	1	1/11/2024 12:56:46 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/11/2024 12:56:46 AM
Xylenes, Total	ND	0.10		mg/Kg	1	1/11/2024 12:56:46 AM
Surr: 4-Bromofluorobenzene	98.7	39.1-146		%Rec	1	1/11/2024 12:56:46 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	140	60		mg/Kg	20	1/11/2024 1:17:42 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-208 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:05:00 AM
Lab ID: 2401305-009 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/12/2024 2:25:59 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/12/2024 2:25:59 AM
Surr: DNOP	103	69-147		%Rec	1	1/12/2024 2:25:59 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/11/2024 1:20:32 AM
Surr: BFB	107	15-244		%Rec	1	1/11/2024 1:20:32 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 1:20:32 AM
Toluene	ND	0.048		mg/Kg	1	1/11/2024 1:20:32 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/11/2024 1:20:32 AM
Xylenes, Total	ND	0.095		mg/Kg	1	1/11/2024 1:20:32 AM
Surr: 4-Bromofluorobenzene	98.0	39.1-146		%Rec	1	1/11/2024 1:20:32 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	140	60		mg/Kg	20	1/11/2024 1:30:07 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-209 0'
Project: Prometheus
Collection Date: 1/7/2024 8:05:00 AM
Lab ID: 2401305-010 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/12/2024 2:49:10 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 2:49:10 AM
Surr: DNOP	102	69-147		%Rec	1	1/12/2024 2:49:10 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/11/2024 1:44:12 AM
Surr: BFB	108	15-244		%Rec	1	1/11/2024 1:44:12 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 1:44:12 AM
Toluene	ND	0.048		mg/Kg	1	1/11/2024 1:44:12 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/11/2024 1:44:12 AM
Xylenes, Total	ND	0.095		mg/Kg	1	1/11/2024 1:44:12 AM
Surr: 4-Bromofluorobenzene	98.9	39.1-146		%Rec	1	1/11/2024 1:44:12 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 1:42:32 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-210 0'
Project: Prometheus
Collection Date: 1/7/2024 8:10:00 AM
Lab ID: 2401305-011 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/12/2024 3:12:26 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 3:12:26 AM
Surr: DNOP	104	69-147		%Rec	1	1/12/2024 3:12:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 2:07:58 AM
Surr: BFB	107	15-244		%Rec	1	1/11/2024 2:07:58 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 2:07:58 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 2:07:58 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 2:07:58 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/11/2024 2:07:58 AM
Surr: 4-Bromofluorobenzene	97.8	39.1-146		%Rec	1	1/11/2024 2:07:58 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 1:54:56 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-211 0'
Project: Prometheus
Collection Date: 1/7/2024 8:10:00 AM
Lab ID: 2401305-012 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/12/2024 3:35:38 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/12/2024 3:35:38 AM
Surr: DNOP	101	69-147		%Rec	1	1/12/2024 3:35:38 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 2:31:57 AM
Surr: BFB	107	15-244		%Rec	1	1/11/2024 2:31:57 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 2:31:57 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 2:31:57 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 2:31:57 AM
Xylenes, Total	ND	0.098		mg/Kg	1	1/11/2024 2:31:57 AM
Surr: 4-Bromofluorobenzene	96.3	39.1-146		%Rec	1	1/11/2024 2:31:57 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 2:07:21 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-212 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:15:00 AM
Lab ID: 2401305-013 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/11/2024 3:09:23 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/11/2024 3:09:23 AM
Surr: DNOP	98.0	69-147		%Rec	1	1/11/2024 3:09:23 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/10/2024 10:44:00 PM
Surr: BFB	109	15-244		%Rec	1	1/10/2024 10:44:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/10/2024 10:44:00 PM
Toluene	ND	0.048		mg/Kg	1	1/10/2024 10:44:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/10/2024 10:44:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	1/10/2024 10:44:00 PM
Surr: 4-Bromofluorobenzene	99.6	39.1-146		%Rec	1	1/10/2024 10:44:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	96	60		mg/Kg	20	1/11/2024 10:57:30 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-213 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:15:00 AM
Lab ID: 2401305-014 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/11/2024 3:19:54 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 3:19:54 AM
Surr: DNOP	103	69-147		%Rec	1	1/11/2024 3:19:54 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/10/2024 11:50:00 PM
Surr: BFB	104	15-244		%Rec	1	1/10/2024 11:50:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/10/2024 11:50:00 PM
Toluene	ND	0.049		mg/Kg	1	1/10/2024 11:50:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/10/2024 11:50:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	1/10/2024 11:50:00 PM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	1/10/2024 11:50:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 12:24:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-214 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:20:00 AM
Lab ID: 2401305-015 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/11/2024 3:30:26 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 3:30:26 AM
Surr: DNOP	95.5	69-147		%Rec	1	1/11/2024 3:30:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 12:56:00 AM
Surr: BFB	108	15-244		%Rec	1	1/11/2024 12:56:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 12:56:00 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 12:56:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 12:56:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/11/2024 12:56:00 AM
Surr: 4-Bromofluorobenzene	99.8	39.1-146		%Rec	1	1/11/2024 12:56:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 12:36:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-215 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:20:00 AM
Lab ID: 2401305-016 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/11/2024 3:41:01 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 3:41:01 AM
Surr: DNOP	97.4	69-147		%Rec	1	1/11/2024 3:41:01 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 1:18:00 AM
Surr: BFB	111	15-244		%Rec	1	1/11/2024 1:18:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 1:18:00 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 1:18:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 1:18:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/11/2024 1:18:00 AM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	1/11/2024 1:18:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 12:49:10 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-216 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:25:00 AM
Lab ID: 2401305-017 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/11/2024 3:51:37 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/11/2024 3:51:37 AM
Surr: DNOP	96.7	69-147		%Rec	1	1/11/2024 3:51:37 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/11/2024 1:39:00 AM
Surr: BFB	109	15-244		%Rec	1	1/11/2024 1:39:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.023		mg/Kg	1	1/11/2024 1:39:00 AM
Toluene	ND	0.047		mg/Kg	1	1/11/2024 1:39:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	1/11/2024 1:39:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	1/11/2024 1:39:00 AM
Surr: 4-Bromofluorobenzene	99.4	39.1-146		%Rec	1	1/11/2024 1:39:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 1:01:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-217 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:25:00 AM
Lab ID: 2401305-018 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/11/2024 4:02:15 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 4:02:15 AM
Surr: DNOP	101	69-147		%Rec	1	1/11/2024 4:02:15 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/11/2024 2:01:00 AM
Surr: BFB	116	15-244		%Rec	1	1/11/2024 2:01:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 2:01:00 AM
Toluene	ND	0.048		mg/Kg	1	1/11/2024 2:01:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/11/2024 2:01:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	1/11/2024 2:01:00 AM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	1/11/2024 2:01:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	59		mg/Kg	20	1/11/2024 1:13:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-218 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:30:00 AM
Lab ID: 2401305-019 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/11/2024 4:12:53 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/11/2024 4:12:53 AM
Surr: DNOP	103	69-147		%Rec	1	1/11/2024 4:12:53 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/11/2024 2:23:00 AM
Surr: BFB	110	15-244		%Rec	1	1/11/2024 2:23:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 2:23:00 AM
Toluene	ND	0.048		mg/Kg	1	1/11/2024 2:23:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/11/2024 2:23:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/11/2024 2:23:00 AM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	1/11/2024 2:23:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	99	60		mg/Kg	20	1/11/2024 1:26:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-219 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:30:00 AM
Lab ID: 2401305-020 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/11/2024 4:23:30 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/11/2024 4:23:30 AM
Surr: DNOP	99.4	69-147		%Rec	1	1/11/2024 4:23:30 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/11/2024 2:45:00 AM
Surr: BFB	109	15-244		%Rec	1	1/11/2024 2:45:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 2:45:00 AM
Toluene	ND	0.048		mg/Kg	1	1/11/2024 2:45:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/11/2024 2:45:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	1/11/2024 2:45:00 AM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	1/11/2024 2:45:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 1:38:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-220 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:35:00 AM
Lab ID: 2401305-021 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/11/2024 4:34:06 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 4:34:06 AM
Surr: DNOP	104	69-147		%Rec	1	1/11/2024 4:34:06 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/11/2024 3:07:00 AM
Surr: BFB	112	15-244		%Rec	1	1/11/2024 3:07:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.023		mg/Kg	1	1/11/2024 3:07:00 AM
Toluene	ND	0.046		mg/Kg	1	1/11/2024 3:07:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	1/11/2024 3:07:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	1/11/2024 3:07:00 AM
Surr: 4-Bromofluorobenzene	99.1	39.1-146		%Rec	1	1/11/2024 3:07:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	59		mg/Kg	20	1/11/2024 1:51:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-221 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:35:00 AM
Lab ID: 2401305-022 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/11/2024 4:55:08 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 4:55:08 AM
Surr: DNOP	104	69-147		%Rec	1	1/11/2024 4:55:08 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/11/2024 3:29:00 AM
Surr: BFB	112	15-244		%Rec	1	1/11/2024 3:29:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.023		mg/Kg	1	1/11/2024 3:29:00 AM
Toluene	ND	0.046		mg/Kg	1	1/11/2024 3:29:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	1/11/2024 3:29:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	1/11/2024 3:29:00 AM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	1/11/2024 3:29:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 2:03:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-222 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:40:00 AM
Lab ID: 2401305-023 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	1/11/2024 5:05:38 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/11/2024 5:05:38 AM
Surr: DNOP	97.3	69-147		%Rec	1	1/11/2024 5:05:38 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 4:12:00 AM
Surr: BFB	112	15-244		%Rec	1	1/11/2024 4:12:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 4:12:00 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 4:12:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 4:12:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/11/2024 4:12:00 AM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	1/11/2024 4:12:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 2:16:00 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-223 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:40:00 AM
Lab ID: 2401305-024 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	1/11/2024 5:16:07 AM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	1/11/2024 5:16:07 AM
Surr: DNOP	97.2	69-147		%Rec	1	1/11/2024 5:16:07 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/11/2024 4:34:00 AM
Surr: BFB	113	15-244		%Rec	1	1/11/2024 4:34:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 4:34:00 AM
Toluene	ND	0.050		mg/Kg	1	1/11/2024 4:34:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/11/2024 4:34:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/11/2024 4:34:00 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	1/11/2024 4:34:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 2:53:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-224 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:45:00 AM
Lab ID: 2401305-025 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/11/2024 5:26:35 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/11/2024 5:26:35 AM
Surr: DNOP	98.2	69-147		%Rec	1	1/11/2024 5:26:35 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 4:56:00 AM
Surr: BFB	113	15-244		%Rec	1	1/11/2024 4:56:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 4:56:00 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 4:56:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 4:56:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	1/11/2024 4:56:00 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	1/11/2024 4:56:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	290	60		mg/Kg	20	1/11/2024 3:05:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-225 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:45:00 AM
Lab ID: 2401305-026 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/11/2024 5:37:06 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/11/2024 5:37:06 AM
Surr: DNOP	97.9	69-147		%Rec	1	1/11/2024 5:37:06 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/11/2024 5:18:00 AM
Surr: BFB	112	15-244		%Rec	1	1/11/2024 5:18:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 5:18:00 AM
Toluene	ND	0.050		mg/Kg	1	1/11/2024 5:18:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/11/2024 5:18:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/11/2024 5:18:00 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	1/11/2024 5:18:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	82	60		mg/Kg	20	1/11/2024 3:18:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-226 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:50:00 AM
Lab ID: 2401305-027 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/11/2024 5:47:37 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 5:47:37 AM
Surr: DNOP	98.5	69-147		%Rec	1	1/11/2024 5:47:37 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/11/2024 5:40:00 AM
Surr: BFB	110	15-244		%Rec	1	1/11/2024 5:40:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 5:40:00 AM
Toluene	ND	0.050		mg/Kg	1	1/11/2024 5:40:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/11/2024 5:40:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/11/2024 5:40:00 AM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	1/11/2024 5:40:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	120	60		mg/Kg	20	1/11/2024 3:30:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-227 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:50:00 AM
Lab ID: 2401305-028 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	1/11/2024 5:58:09 AM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	1/11/2024 5:58:09 AM
Surr: DNOP	97.7	69-147		%Rec	1	1/11/2024 5:58:09 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/11/2024 6:02:00 AM
Surr: BFB	115	15-244		%Rec	1	1/11/2024 6:02:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 6:02:00 AM
Toluene	ND	0.050		mg/Kg	1	1/11/2024 6:02:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	1/11/2024 6:02:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	1/11/2024 6:02:00 AM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	1/11/2024 6:02:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 3:42:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-228 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:55:00 AM
Lab ID: 2401305-029 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/11/2024 6:08:47 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 6:08:47 AM
Surr: DNOP	98.3	69-147		%Rec	1	1/11/2024 6:08:47 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 6:24:00 AM
Surr: BFB	111	15-244		%Rec	1	1/11/2024 6:24:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 6:24:00 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 6:24:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 6:24:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	1/11/2024 6:24:00 AM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	1/11/2024 6:24:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 3:55:14 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-229 0'
Project: Prometheus **Collection Date:** 1/7/2024 8:55:00 AM
Lab ID: 2401305-030 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/11/2024 6:19:21 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/11/2024 6:19:21 AM
Surr: DNOP	101	69-147		%Rec	1	1/11/2024 6:19:21 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/11/2024 6:45:00 AM
Surr: BFB	111	15-244		%Rec	1	1/11/2024 6:45:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 6:45:00 AM
Toluene	ND	0.048		mg/Kg	1	1/11/2024 6:45:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/11/2024 6:45:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/11/2024 6:45:00 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	1/11/2024 6:45:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 4:07:38 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-230 0'
Project: Prometheus **Collection Date:** 1/7/2024 9:00:00 AM
Lab ID: 2401305-031 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/11/2024 6:30:01 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/11/2024 6:30:01 AM
Surr: DNOP	95.7	69-147		%Rec	1	1/11/2024 6:30:01 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/11/2024 7:07:00 AM
Surr: BFB	115	15-244		%Rec	1	1/11/2024 7:07:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 7:07:00 AM
Toluene	ND	0.048		mg/Kg	1	1/11/2024 7:07:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	1/11/2024 7:07:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	1/11/2024 7:07:00 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	1/11/2024 7:07:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	69	60		mg/Kg	20	1/11/2024 4:20:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-231 0'
Project: Prometheus **Collection Date:** 1/7/2024 9:00:00 AM
Lab ID: 2401305-032 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/11/2024 6:40:42 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2024 6:40:42 AM
Surr: DNOP	106	69-147		%Rec	1	1/11/2024 6:40:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 7:29:00 AM
Surr: BFB	113	15-244		%Rec	1	1/11/2024 7:29:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.024		mg/Kg	1	1/11/2024 7:29:00 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 7:29:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 7:29:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	1/11/2024 7:29:00 AM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	1/11/2024 7:29:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	110	60		mg/Kg	20	1/11/2024 4:32:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-232 0'
Project: Prometheus **Collection Date:** 1/7/2024 9:05:00 AM
Lab ID: 2401305-033 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/10/2024 10:40:23 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/10/2024 10:40:23 PM
Surr: DNOP	103	69-147		%Rec	1	1/10/2024 10:40:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 11:54:00 AM
Surr: BFB	114	15-244		%Rec	1	1/11/2024 11:54:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 11:54:00 AM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 11:54:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 11:54:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	1/11/2024 11:54:00 AM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	1/11/2024 11:54:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 5:34:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-233 0'
Project: Prometheus **Collection Date:** 1/7/2024 9:05:00 AM
Lab ID: 2401305-034 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/10/2024 11:11:30 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/10/2024 11:11:30 PM
Surr: DNOP	104	69-147		%Rec	1	1/10/2024 11:11:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/11/2024 1:00:00 PM
Surr: BFB	114	15-244		%Rec	1	1/11/2024 1:00:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 1:00:00 PM
Toluene	ND	0.050		mg/Kg	1	1/11/2024 1:00:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	1/11/2024 1:00:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	1/11/2024 1:00:00 PM
Surr: 4-Bromofluorobenzene	104	39.1-146		%Rec	1	1/11/2024 1:00:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 5:46:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401305**
Date Reported: **1/15/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-234 0'
Project: Prometheus **Collection Date:** 1/7/2024 9:10:00 AM
Lab ID: 2401305-035 **Matrix:** SOIL **Received Date:** 1/9/2024 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/10/2024 11:21:57 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/10/2024 11:21:57 PM
Surr: DNOP	104	69-147		%Rec	1	1/10/2024 11:21:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2024 2:06:00 PM
Surr: BFB	115	15-244		%Rec	1	1/11/2024 2:06:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**
Benzene	ND	0.025		mg/Kg	1	1/11/2024 2:06:00 PM
Toluene	ND	0.049		mg/Kg	1	1/11/2024 2:06:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2024 2:06:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	1/11/2024 2:06:00 PM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	1/11/2024 2:06:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	1/11/2024 5:59:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401305**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79847**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **79847**	RunNo: **102373**								
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780755**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79847**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **79847**	RunNo: **102373**								
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780756**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: **MB-79851**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **79851**	RunNo: **102403**								
Prep Date: **1/11/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781724**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79851**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **79851**	RunNo: **102403**								
Prep Date: **1/11/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781725**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.4	90	110			

Sample ID: **MB-79869**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **79869**	RunNo: **102403**								
Prep Date: **1/11/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781759**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79869**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **79869**	RunNo: **102403**								
Prep Date: **1/11/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781760**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401305**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2401305-033AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-232 0'**	Batch ID: **79834**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780714** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.2	46.04	0	94.9	54.2	135			
Surr: DNOP	5.0		4.604		108	69	147			

Sample ID: **2401305-033AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-232 0'**	Batch ID: **79834**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780715** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.3	46.43	0	94.3	54.2	135	0.198	29.2	
Surr: DNOP	5.0		4.643		109	69	147	0	0	

Sample ID: **LCS-79821**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79821**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780727** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.4	61.9	130			
Surr: DNOP	5.3		5.000		106	69	147			

Sample ID: **LCS-79834**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79834**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780728** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.7	61.9	130			
Surr: DNOP	5.1		5.000		103	69	147			

Sample ID: **MB-79821**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79821**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780730** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.8	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401305**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79834**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79834**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780731** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	69	147			

Sample ID: **2401305-013AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-212 0'**	Batch ID: **79821**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3780802** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.3	46.69	0	98.8	54.2	135			
Surr: DNOP	4.7		4.669		101	69	147			

Sample ID: **2401305-013AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-212 0'**	Batch ID: **79821**	RunNo: **102350**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3780803** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.2	45.91	0	98.1	54.2	135	2.42	29.2	
Surr: DNOP	4.6		4.591		100	69	147	0	0	

Sample ID: **MB-79820**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79820**	RunNo: **102404**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3782050** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	69	147			

Sample ID: **LCS-79820**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79820**	RunNo: **102404**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3782051** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	61.9	130			
Surr: DNOP	5.3		5.000		106	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401305**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79801**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780163** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.6	70	130			
Surr: BFB	2200		1000		224	15	244			

Sample ID: **mb-79801**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780164** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		112	15	244			

Sample ID: **lcs-79814**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79814**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780345** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.0	70	130			
Surr: BFB	2200		1000		222	15	244			

Sample ID: **mb-79814**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79814**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780346** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	15	244			

Sample ID: **2401305-013AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-212 0'**	Batch ID: **79814**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780442** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.25	0	97.8	70	130			
Surr: BFB	2300		969.9		235	15	244			

Sample ID: **2401305-013AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-212 0'**	Batch ID: **79814**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780443** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401305**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2401305-013AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-212 0'**	Batch ID: **79814**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780443** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	23.90	0	96.6	70	130	2.72	20	
Surr: BFB	2200		956.0		227	15	244	0	0	

Sample ID: **2401305-033ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-232 0'**	Batch ID: **79829**	RunNo: **102397**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781631** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.9	24.56	0	95.4	70	130			
Surr: BFB	2400		982.3		240	15	244			

Sample ID: **2401305-033amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-232 0'**	Batch ID: **79829**	RunNo: **102397**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781632** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.63	0	103	70	130	8.31	20	
Surr: BFB	2500		985.2		252	15	244	0	0	S

Sample ID: **lcs-79829**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79829**	RunNo: **102397**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781652** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.6	70	130			
Surr: BFB	2300		1000		233	15	244			

Sample ID: **MB-79829**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79829**	RunNo: **102397**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781653** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1200		1000		116	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401305**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79801**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780195** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.4	70	130			
Toluene	0.93	0.050	1.000	0	93.4	70	130			
Ethylbenzene	0.96	0.050	1.000	0	95.5	70	130			
Xylenes, Total	2.9	0.10	3.000	0	96.0	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **mb-79801**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79801**	RunNo: **102347**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780196** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	39.1	146			

Sample ID: **lcs-79814**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79814**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780399** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.5	70	130			
Toluene	0.94	0.050	1.000	0	94.1	70	130			
Ethylbenzene	0.95	0.050	1.000	0	94.9	70	130			
Xylenes, Total	2.9	0.10	3.000	0	95.2	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	39.1	146			

Sample ID: **mb-79814**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79814**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/10/2024**	SeqNo: **3780400** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.9	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401305**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2401305-014AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-213 0'**	Batch ID: **79814**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/11/2024**	SeqNo: **3780450** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	0.9814	0	93.9	70	130			
Toluene	0.93	0.049	0.9814	0	94.9	70	130			
Ethylbenzene	0.95	0.049	0.9814	0	96.5	70	130			
Xylenes, Total	2.8	0.098	2.944	0	96.6	70	130			
Surr: 4-Bromofluorobenzene	0.96		0.9814		98.1	39.1	146			

Sample ID: **2401305-014AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-213 0'**	Batch ID: **79814**	RunNo: **102368**
Prep Date: **1/9/2024**	Analysis Date: **1/11/2024**	SeqNo: **3780451** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	0.9814	0	99.7	70	130	5.98	20	
Toluene	0.99	0.049	0.9814	0	100	70	130	5.67	20	
Ethylbenzene	1.0	0.049	0.9814	0	103	70	130	6.39	20	
Xylenes, Total	3.0	0.098	2.944	0	103	70	130	6.20	20	
Surr: 4-Bromofluorobenzene	0.99		0.9814		101	39.1	146	0	0	

Sample ID: **2401305-034ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-233 0'**	Batch ID: **79829**	RunNo: **102397**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781659** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	0.9921	0	95.3	70	130			
Toluene	0.95	0.050	0.9921	0	95.9	70	130			
Ethylbenzene	0.99	0.050	0.9921	0	99.4	70	130			
Xylenes, Total	3.0	0.099	2.976	0	100	70	130			
Surr: 4-Bromofluorobenzene	1.1		0.9921		109	39.1	146			

Sample ID: **2401305-034amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-233 0'**	Batch ID: **79829**	RunNo: **102397**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781660** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9891	0	94.5	70	130	1.19	20	
Toluene	0.95	0.049	0.9891	0	96.2	70	130	0.00578	20	
Ethylbenzene	0.97	0.049	0.9891	0	98.4	70	130	1.33	20	
Xylenes, Total	2.9	0.099	2.967	0	98.7	70	130	1.85	20	
Surr: 4-Bromofluorobenzene	1.1		0.9891		107	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401305**

15-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79829**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79829**	RunNo: **102397**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781679** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	39.1	146			

Sample ID: **LCS-79829**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79829**	RunNo: **102397**
Prep Date: **1/10/2024**	Analysis Date: **1/11/2024**	SeqNo: **3781681** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.7	70	130			
Toluene	0.90	0.050	1.000	0	90.4	70	130			
Ethylbenzene	0.92	0.050	1.000	0	92.0	70	130			
Xylenes, Total	2.8	0.10	3.000	0	92.3	70	130			
Surr: 4-Bromofluorobenzene	1.1		1.000		107	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Sample Log-In Check List

Client Name: **Vertex Resources** Work Order Number: **2401305** RcptNo: **1**

Received By: **Juan Rojas** **1/9/2024 7:30:00 AM**

Completed By: **Cheyenne Cason** **1/9/2024 8:06:31 AM**

Reviewed By: JR 1-9-24

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JR 1/9/24

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good	Not Present	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name:
Prometheus

Project #:
23E-03329

Project Manager:
Sally Carttar

Sampler: L. Pullman
On Ice: ~~☐~~ Yes ☐ No
# of Coolers: 1 909
Cooler Temp(Including CF): 0.6-0.1=0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401305
01/07/24	7:45	Soil	BS23-200 0'	1, 4oz jar		001
01/07/24	7:45	Soil	BS23-201 0'	1, 4oz jar		002
01/07/24	7:50	Soil	BS23-202 0'	1, 4oz jar		003
01/07/24	7:50	Soil	BS23-203 0'	1, 4oz jar		004
01/07/24	7:55	Soil	BS23-204 0'	1, 4oz jar		005
01/07/24	7:55	Soil	BS23-205 0'	1, 4oz jar		006
01/07/24	8:00	Soil	BS23-206 0'	1, 4oz jar		007
01/07/24	8:00	Soil	BS23-207 0'	1, 4oz jar		008
01/07/24	8:05	Soil	BS23-208 0'	1, 4oz jar		009
01/07/24	8:05	Soil	BS23-209 0'	1, 4oz jar		010
01/07/24	8:10	Soil	BS23-210 0'	1, 4oz jar		011
01/07/24	8:10	Soil	BS23-211 0'	1, 4oz jar		012

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			
X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1-8-24	0700	Luke Pullman				
1/8/24	1900			Courier	1/9/24	7:30

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report
Base samples can remain labeled BS23

1/3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name:
Prometheus

Project #:
23E-03329

Project Manager:
Sally Carttar

Sampler: L. Pullman
On Ice: ☐ Yes ☐ No
# of Coolers: 1 4oz
Cooler Temp(including CF): 0.6-0.1=0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401305	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
01/07/24	8:15	Soil	BS23-212 0'	1, 4oz jar		013	X	X					X			
01/07/24	8:15	Soil	BS23-213 0'	1, 4oz jar		014	X	X					X			
01/07/24	8:20	Soil	BS23-214 0'	1, 4oz jar		015	X	X					X			
01/07/24	8:20	Soil	BS23-215 0'	1, 4oz jar		016	X	X					X			
01/07/24	8:25	Soil	BS23-216 0'	1, 4oz jar		017	X	X					X			
01/07/24	8:25	Soil	BS23-217 0'	1, 4oz jar		018	X	X					X			
01/07/24	8:30	Soil	BS23-218 0'	1, 4oz jar		019	X	X					X			
01/07/24	8:30	Soil	BS23-219 0'	1, 4oz jar		020	X	X					X			
01/07/24	8:35	Soil	BS23-220 0'	1, 4oz jar		021	X	X					X			
01/07/24	8:35	Soil	BS23-221 0'	1, 4oz jar		022	X	X					X			
01/07/24	8:40	Soil	BS23-222 0'	1, 4oz jar		023	X	X					X			
01/07/24	8:40	Soil	BS23-223 0'	1, 4oz jar		024	X	X					X			

Analysis Request

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
1-8-24	07:00	John Pullman				
1/8/24	1900			courier	1/9/24	7:30

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report
Base samples can remain labeled BS23

2/3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Sally Carttar

Sampler: L. Pullman

On Ice: ☐ Yes ☐ No

# of Coolers: 1 4oz

Cooler Temp (Including CF): 0.6-0.1=0.5

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401305	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
01/07/24	8:45	Soil	BS23-224 0'	1, 4oz jar		025	X	X					X			
01/07/24	8:45	Soil	BS23-225 0'	1, 4oz jar		026	X	X					X			
01/07/24	8:50	Soil	BS23-226 0'	1, 4oz jar		027	X	X					X			
01/07/24	8:50	Soil	BS23-227 0'	1, 4oz jar		028	X	X					X			
01/07/24	8:55	Soil	BS23-228 0'	1, 4oz jar		029	X	X					X			
01/07/24	8:55	Soil	BS23-229 0'	1, 4oz jar		030	X	X					X			
01/07/24	9:00	Soil	BS23-230 0'	1, 4oz jar		031	X	X					X			
01/07/24	9:00	Soil	BS23-231 0'	1, 4oz jar		032	X	X					X			
01/07/24	9:05	Soil	BS23-232 0'	1, 4oz jar		033	X	X					X			
01/07/24	9:05	Soil	BS23-233 0'	1, 4oz jar		034	X	X					X			
01/07/24	9:10	Soil	BS23-234 0'	1, 4oz jar		035	X	X					X			

Date	Time	Relinquished by	Received by	Via	Date	Time
1-8-24	07:00				1/8/24	0700
1/8/24	1900			Courier	1/9/24	7:30

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report
Base samples can remain labeled BS23

3/3

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 01, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311A03

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 10 sample(s) on 11/18/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-35 4'
Project: Prometheus
Collection Date: 11/16/2023 12:35:00 PM
Lab ID: 2311A03-001 **Matrix:** SOIL **Received Date:** 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/22/2023 12:55:30 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/22/2023 12:55:30 AM
Surr: DNOP	93.2	69-147		%Rec	1	11/22/2023 12:55:30 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/22/2023 1:18:11 AM
Surr: BFB	90.0	15-244		%Rec	1	11/22/2023 1:18:11 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/22/2023 1:18:11 AM
Toluene	ND	0.048		mg/Kg	1	11/22/2023 1:18:11 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/22/2023 1:18:11 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/22/2023 1:18:11 AM
Surr: 4-Bromofluorobenzene	94.4	39.1-146		%Rec	1	11/22/2023 1:18:11 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	200	60		mg/Kg	20	11/22/2023 9:57:34 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-36 4'
Project: Prometheus
Collection Date: 11/16/2023 12:30:00 PM
Lab ID: 2311A03-002 **Matrix:** SOIL **Received Date:** 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	11/22/2023 1:05:47 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/22/2023 1:05:47 AM
Surr: DNOP	95.8	69-147		%Rec	1	11/22/2023 1:05:47 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/22/2023 2:27:57 AM
Surr: BFB	87.8	15-244		%Rec	1	11/22/2023 2:27:57 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/22/2023 2:27:57 AM
Toluene	ND	0.049		mg/Kg	1	11/22/2023 2:27:57 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/22/2023 2:27:57 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/22/2023 2:27:57 AM
Surr: 4-Bromofluorobenzene	91.7	39.1-146		%Rec	1	11/22/2023 2:27:57 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	370	60		mg/Kg	20	11/22/2023 10:34:48 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-113 4'
Project: Prometheus
Collection Date: 11/16/2023 12:00:00 PM
Lab ID: 2311A03-003 **Matrix:** SOIL **Received Date:** 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	11/22/2023 1:16:02 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/22/2023 1:16:02 AM
Surr: DNOP	94.2	69-147		%Rec	1	11/22/2023 1:16:02 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2023 3:37:31 AM
Surr: BFB	89.1	15-244		%Rec	1	11/22/2023 3:37:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/22/2023 3:37:31 AM
Toluene	ND	0.047		mg/Kg	1	11/22/2023 3:37:31 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2023 3:37:31 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/22/2023 3:37:31 AM
Surr: 4-Bromofluorobenzene	92.9	39.1-146		%Rec	1	11/22/2023 3:37:31 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1200	60		mg/Kg	20	11/22/2023 11:12:02 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-114 4'
Project: Prometheus
Collection Date: 11/16/2023 12:20:00 PM
Lab ID: 2311A03-004 **Matrix:** SOIL **Received Date:** 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	11/22/2023 1:26:17 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/22/2023 1:26:17 AM
Surr: DNOP	96.6	69-147		%Rec	1	11/22/2023 1:26:17 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2023 4:00:42 AM
Surr: BFB	86.0	15-244		%Rec	1	11/22/2023 4:00:42 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/22/2023 4:00:42 AM
Toluene	ND	0.047		mg/Kg	1	11/22/2023 4:00:42 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2023 4:00:42 AM
Xylenes, Total	ND	0.095		mg/Kg	1	11/22/2023 4:00:42 AM
Surr: 4-Bromofluorobenzene	90.2	39.1-146		%Rec	1	11/22/2023 4:00:42 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	760	60		mg/Kg	20	11/22/2023 11:24:27 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-115 4'
Project: Prometheus
Collection Date: 11/16/2023 12:30:00 PM
Lab ID: 2311A03-005 **Matrix:** SOIL
Received Date: 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	11/22/2023 1:36:31 AM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	11/22/2023 1:36:31 AM
Surr: DNOP	96.8	69-147		%Rec	1	11/22/2023 1:36:31 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2023 4:23:55 AM
Surr: BFB	87.7	15-244		%Rec	1	11/22/2023 4:23:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/22/2023 4:23:55 AM
Toluene	ND	0.047		mg/Kg	1	11/22/2023 4:23:55 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2023 4:23:55 AM
Xylenes, Total	ND	0.093		mg/Kg	1	11/22/2023 4:23:55 AM
Surr: 4-Bromofluorobenzene	92.2	39.1-146		%Rec	1	11/22/2023 4:23:55 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1200	60		mg/Kg	20	11/22/2023 12:01:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-96 0'-4'
Project: Prometheus **Collection Date:** 11/16/2023 10:50:00 AM
Lab ID: 2311A03-006 **Matrix:** SOIL **Received Date:** 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/22/2023 1:46:45 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/22/2023 1:46:45 AM
Surr: DNOP	96.7	69-147		%Rec	1	11/22/2023 1:46:45 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/22/2023 4:47:06 AM
Surr: BFB	85.6	15-244		%Rec	1	11/22/2023 4:47:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/22/2023 4:47:06 AM
Toluene	ND	0.046		mg/Kg	1	11/22/2023 4:47:06 AM
Ethylbenzene	ND	0.046		mg/Kg	1	11/22/2023 4:47:06 AM
Xylenes, Total	ND	0.092		mg/Kg	1	11/22/2023 4:47:06 AM
Surr: 4-Bromofluorobenzene	90.8	39.1-146		%Rec	1	11/22/2023 4:47:06 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	93	60		mg/Kg	20	11/22/2023 12:14:06 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-97 0'-4'
Project: Prometheus
Collection Date: 11/16/2023 12:15:00 PM
Lab ID: 2311A03-007 **Matrix:** SOIL **Received Date:** 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	11/22/2023 1:57:00 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/22/2023 1:57:00 AM
Surr: DNOP	96.7	69-147		%Rec	1	11/22/2023 1:57:00 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2023 5:10:15 AM
Surr: BFB	86.1	15-244		%Rec	1	11/22/2023 5:10:15 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/22/2023 5:10:15 AM
Toluene	ND	0.047		mg/Kg	1	11/22/2023 5:10:15 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2023 5:10:15 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/22/2023 5:10:15 AM
Surr: 4-Bromofluorobenzene	90.8	39.1-146		%Rec	1	11/22/2023 5:10:15 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	92	60		mg/Kg	20	11/22/2023 12:26:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-98 0'-4'
Project: Prometheus
Collection Date: 11/16/2023 10:55:00 AM
Lab ID: 2311A03-008 **Matrix:** SOIL
Received Date: 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/22/2023 2:07:16 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/22/2023 2:07:16 AM
Surr: DNOP	97.2	69-147		%Rec	1	11/22/2023 2:07:16 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2023 5:33:23 AM
Surr: BFB	85.1	15-244		%Rec	1	11/22/2023 5:33:23 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/22/2023 5:33:23 AM
Toluene	ND	0.047		mg/Kg	1	11/22/2023 5:33:23 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2023 5:33:23 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/22/2023 5:33:23 AM
Surr: 4-Bromofluorobenzene	89.9	39.1-146		%Rec	1	11/22/2023 5:33:23 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	11/22/2023 12:38:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-99 0'-4'
Project: Prometheus
Collection Date: 11/16/2023 11:00:00 AM
Lab ID: 2311A03-009 **Matrix:** SOIL
Received Date: 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	11/22/2023 2:17:32 AM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	11/22/2023 2:17:32 AM
Surr: DNOP	96.8	69-147		%Rec	1	11/22/2023 2:17:32 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2023 5:56:31 AM
Surr: BFB	86.1	15-244		%Rec	1	11/22/2023 5:56:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/22/2023 5:56:31 AM
Toluene	ND	0.047		mg/Kg	1	11/22/2023 5:56:31 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2023 5:56:31 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/22/2023 5:56:31 AM
Surr: 4-Bromofluorobenzene	89.6	39.1-146		%Rec	1	11/22/2023 5:56:31 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	140	60		mg/Kg	20	11/22/2023 12:51:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311A03**
Date Reported: **12/1/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-100 0'-4'
Project: Prometheus
Collection Date: 11/16/2023 11:00:00 AM
Lab ID: 2311A03-010 **Matrix:** SOIL
Received Date: 11/18/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	11/22/2023 2:27:49 AM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	11/22/2023 2:27:49 AM
Surr: DNOP	96.2	69-147		%Rec	1	11/22/2023 2:27:49 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/22/2023 6:19:40 AM
Surr: BFB	87.8	15-244		%Rec	1	11/22/2023 6:19:40 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/22/2023 6:19:40 AM
Toluene	ND	0.047		mg/Kg	1	11/22/2023 6:19:40 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/22/2023 6:19:40 AM
Xylenes, Total	ND	0.095		mg/Kg	1	11/22/2023 6:19:40 AM
Surr: 4-Bromofluorobenzene	92.0	39.1-146		%Rec	1	11/22/2023 6:19:40 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	310	60		mg/Kg	20	11/22/2023 1:03:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311A03**

01-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78948**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78948**	RunNo: **101389**
Prep Date: **11/22/2023**	Analysis Date: **11/22/2023**	SeqNo: **3730164** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78948**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78948**	RunNo: **101389**
Prep Date: **11/22/2023**	Analysis Date: **11/22/2023**	SeqNo: **3730165** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.2	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311A03**

01-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78935**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78935**	RunNo: **101331**
Prep Date: **11/21/2023**	Analysis Date: **11/22/2023**	SeqNo: **3728990** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.8	61.9	130			
Surr: DNOP	4.6		5.000		91.0	69	147			

Sample ID: **MB-78935**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78935**	RunNo: **101331**
Prep Date: **11/21/2023**	Analysis Date: **11/22/2023**	SeqNo: **3728992** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		92.3	69	147			

Sample ID: **LCS-78933**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78933**	RunNo: **101387**
Prep Date: **11/22/2023**	Analysis Date: **11/23/2023**	SeqNo: **3729954** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.2		5.000		84.7	69	147			

Sample ID: **MB-78933**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78933**	RunNo: **101387**
Prep Date: **11/22/2023**	Analysis Date: **11/23/2023**	SeqNo: **3729957** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.7		10.00		87.0	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311A03**

01-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78899**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78899**	RunNo: **101345**
Prep Date: **11/20/2023**	Analysis Date: **11/21/2023**	SeqNo: **3728450** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.6	70	130			
Surr: BFB	1900		1000		189	15	244			

Sample ID: **mb-78899**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78899**	RunNo: **101345**
Prep Date: **11/20/2023**	Analysis Date: **11/21/2023**	SeqNo: **3728451** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		89.9	15	244			

Sample ID: **2311a03-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-35 4'**	Batch ID: **78899**	RunNo: **101345**
Prep Date: **11/20/2023**	Analysis Date: **11/22/2023**	SeqNo: **3728453** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.13	0	94.4	70	130			
Surr: BFB	1900		965.3		197	15	244			

Sample ID: **2311a03-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-35 4'**	Batch ID: **78899**	RunNo: **101345**
Prep Date: **11/20/2023**	Analysis Date: **11/22/2023**	SeqNo: **3728454** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.34	0	82.8	70	130	12.3	20	
Surr: BFB	1800		973.7		184	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311A03**

01-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78899**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78899**	RunNo: **101345**
Prep Date: **11/20/2023**	Analysis Date: **11/21/2023**	SeqNo: **3728536** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	99.6	70	130			
Toluene	0.99	0.050	1.000	0	98.7	70	130			
Ethylbenzene	0.98	0.050	1.000	0	97.7	70	130			
Xylenes, Total	2.9	0.10	3.000	0	98.2	70	130			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	39.1	146			

Sample ID: **mb-78899**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78899**	RunNo: **101345**
Prep Date: **11/20/2023**	Analysis Date: **11/21/2023**	SeqNo: **3728537** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.6	39.1	146			

Sample ID: **2311a03-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-36 4'**	Batch ID: **78899**	RunNo: **101345**
Prep Date: **11/20/2023**	Analysis Date: **11/22/2023**	SeqNo: **3728540** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	0.9901	0	98.5	70	130			
Toluene	0.97	0.050	0.9901	0	98.1	70	130			
Ethylbenzene	0.95	0.050	0.9901	0	96.2	70	130			
Xylenes, Total	2.9	0.099	2.970	0	96.0	70	130			
Surr: 4-Bromofluorobenzene	0.94		0.9901		94.6	39.1	146			

Sample ID: **2311a03-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-36 4'**	Batch ID: **78899**	RunNo: **101345**
Prep Date: **11/20/2023**	Analysis Date: **11/22/2023**	SeqNo: **3728541** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	0.9940	0	97.2	70	130	0.993	20	
Toluene	0.96	0.050	0.9940	0	96.5	70	130	1.29	20	
Ethylbenzene	0.94	0.050	0.9940	0	94.8	70	130	0.985	20	
Xylenes, Total	2.8	0.099	2.982	0	94.9	70	130	0.693	20	
Surr: 4-Bromofluorobenzene	0.92		0.9940		92.8	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2311A03 | RcptNo: 1

Received By: Tracy Casarrubias 11/18/2023 7:30:00 AM

Completed By: Tracy Casarrubias 11/18/2023 8:48:48 AM

Reviewed By: SCM 11/20/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: TMC 11/18/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions: Mailing address, phone number, and Email/Fax are missing on COC- TMC 11/18/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.1	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: On file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 72 hour

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler:

On Ice: ☑ Yes ☐ No marty

# of Coolers: 1

Cooler Temp(including CF): 1.1-0=1.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311A03
11/16/23	1235	Soil	BS23-35 4'	4oz	Ice	001
	1230		BS23-36 4'			002
	1200		BS23-113 4'			003
	1220		BS23-114 4'			004
	1230		BS23-115 4'			005
	1050		WS23-96 0'-4'			006
	1215		WS23-97 0'-4'			007
	1055		WS23-98 0'-4'			008
	1100		WS23-99 0'-4'			009
	1100		WS23-100 0'-4'			010

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
✓	✓					✓			

Remarks:

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11/16/23	1800	Brenda Almeyra			11/17/23	900
11/17/23	1900			courier	11/18/23	7:30

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Received by OCD: 6/10/2025 11:01:29 AM

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 13, 2023

Kent Stallings

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311164

Dear Kent Stallings:

Eurofins Environment Testing South Central, LLC received 22 sample(s) on 11/3/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-34 0-3'
Project: Prometheus
Collection Date: 11/1/2023 12:25:00 PM
Lab ID: 2311164-001 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/6/2023 2:35:35 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/6/2023 2:35:35 PM
Surr: DNOP	90.7	69-147		%Rec	1	11/6/2023 2:35:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/7/2023 10:48:26 PM
Surr: BFB	91.2	15-244		%Rec	1	11/7/2023 10:48:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/7/2023 10:48:26 PM
Toluene	ND	0.049		mg/Kg	1	11/7/2023 10:48:26 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/7/2023 10:48:26 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/7/2023 10:48:26 PM
Surr: 4-Bromofluorobenzene	92.3	39.1-146		%Rec	1	11/7/2023 10:48:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 12:08:42 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-36 0-4'
Project: Prometheus
Collection Date: 11/1/2023 12:15:00 PM
Lab ID: 2311164-002 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/6/2023 2:46:26 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/6/2023 2:46:26 PM
Surr: DNOP	95.6	69-147		%Rec	1	11/6/2023 2:46:26 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/7/2023 11:11:59 PM
Surr: BFB	92.7	15-244		%Rec	1	11/7/2023 11:11:59 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/7/2023 11:11:59 PM
Toluene	ND	0.048		mg/Kg	1	11/7/2023 11:11:59 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/7/2023 11:11:59 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/7/2023 11:11:59 PM
Surr: 4-Bromofluorobenzene	94.7	39.1-146		%Rec	1	11/7/2023 11:11:59 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 12:21:06 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-44 0-4'
Project: Prometheus
Collection Date: 11/1/2023 12:10:00 PM
Lab ID: 2311164-003 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/6/2023 2:57:19 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/6/2023 2:57:19 PM
Surr: DNOP	93.1	69-147		%Rec	1	11/6/2023 2:57:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/7/2023 11:35:24 PM
Surr: BFB	92.6	15-244		%Rec	1	11/7/2023 11:35:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/7/2023 11:35:24 PM
Toluene	ND	0.048		mg/Kg	1	11/7/2023 11:35:24 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/7/2023 11:35:24 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/7/2023 11:35:24 PM
Surr: 4-Bromofluorobenzene	94.4	39.1-146		%Rec	1	11/7/2023 11:35:24 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	99	60		mg/Kg	20	11/8/2023 12:33:31 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-68 0-4'
Project: Prometheus
Collection Date: 11/1/2023 12:20:00 PM
Lab ID: 2311164-004 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/6/2023 3:08:08 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/6/2023 3:08:08 PM
Surr: DNOP	94.8	69-147		%Rec	1	11/6/2023 3:08:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/7/2023 11:58:42 PM
Surr: BFB	94.5	15-244		%Rec	1	11/7/2023 11:58:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/7/2023 11:58:42 PM
Toluene	ND	0.049		mg/Kg	1	11/7/2023 11:58:42 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/7/2023 11:58:42 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/7/2023 11:58:42 PM
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	11/7/2023 11:58:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 1:10:44 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-69 0-4'
Project: Prometheus **Collection Date:** 11/1/2023 12:20:00 PM
Lab ID: 2311164-005 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/6/2023 3:18:58 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/6/2023 3:18:58 PM
Surr: DNOP	93.8	69-147		%Rec	1	11/6/2023 3:18:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/8/2023 12:22:23 AM
Surr: BFB	94.2	15-244		%Rec	1	11/8/2023 12:22:23 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/8/2023 12:22:23 AM
Toluene	ND	0.050		mg/Kg	1	11/8/2023 12:22:23 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/8/2023 12:22:23 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/8/2023 12:22:23 AM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	11/8/2023 12:22:23 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 1:47:58 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-70 0-4'
Project: Prometheus
Collection Date: 11/1/2023 12:25:00 PM
Lab ID: 2311164-006 **Matrix:** SOIL
Received Date: 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/6/2023 3:29:45 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/6/2023 3:29:45 PM
Surr: DNOP	93.4	69-147		%Rec	1	11/6/2023 3:29:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/8/2023 12:46:05 AM
Surr: BFB	94.8	15-244		%Rec	1	11/8/2023 12:46:05 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/8/2023 12:46:05 AM
Toluene	ND	0.046		mg/Kg	1	11/8/2023 12:46:05 AM
Ethylbenzene	ND	0.046		mg/Kg	1	11/8/2023 12:46:05 AM
Xylenes, Total	ND	0.092		mg/Kg	1	11/8/2023 12:46:05 AM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	11/8/2023 12:46:05 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 2:00:22 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-68 4'
Project: Prometheus **Collection Date:** 11/1/2023 1:30:00 PM
Lab ID: 2311164-007 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/6/2023 3:40:32 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/6/2023 3:40:32 PM
Surr: DNOP	90.2	69-147		%Rec	1	11/6/2023 3:40:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/8/2023 1:09:38 AM
Surr: BFB	94.7	15-244		%Rec	1	11/8/2023 1:09:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 1:09:38 AM
Toluene	ND	0.049		mg/Kg	1	11/8/2023 1:09:38 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/8/2023 1:09:38 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/8/2023 1:09:38 AM
Surr: 4-Bromofluorobenzene	95.5	39.1-146		%Rec	1	11/8/2023 1:09:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	830	60		mg/Kg	20	11/7/2023 6:21:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-69 4'
Project: Prometheus **Collection Date:** 11/1/2023 1:30:00 PM
Lab ID: 2311164-008 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/6/2023 3:51:18 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/6/2023 3:51:18 PM
Surr: DNOP	82.2	69-147		%Rec	1	11/6/2023 3:51:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/8/2023 1:33:10 AM
Surr: BFB	91.9	15-244		%Rec	1	11/8/2023 1:33:10 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 1:33:10 AM
Toluene	ND	0.048		mg/Kg	1	11/8/2023 1:33:10 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2023 1:33:10 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/8/2023 1:33:10 AM
Surr: 4-Bromofluorobenzene	93.0	39.1-146		%Rec	1	11/8/2023 1:33:10 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1100	60		mg/Kg	20	11/7/2023 6:33:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-70 4'
Project: Prometheus **Collection Date:** 11/1/2023 1:40:00 PM
Lab ID: 2311164-009 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/6/2023 4:02:02 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/6/2023 4:02:02 PM
Surr: DNOP	104	69-147		%Rec	1	11/6/2023 4:02:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/8/2023 1:56:36 AM
Surr: BFB	96.4	15-244		%Rec	1	11/8/2023 1:56:36 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 1:56:36 AM
Toluene	ND	0.048		mg/Kg	1	11/8/2023 1:56:36 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2023 1:56:36 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/8/2023 1:56:36 AM
Surr: 4-Bromofluorobenzene	97.3	39.1-146		%Rec	1	11/8/2023 1:56:36 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	490	60		mg/Kg	20	11/7/2023 7:10:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-71 4'
Project: Prometheus **Collection Date:** 11/1/2023 1:45:00 PM
Lab ID: 2311164-010 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/6/2023 4:12:46 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/6/2023 4:12:46 PM
Surr: DNOP	90.5	69-147		%Rec	1	11/6/2023 4:12:46 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/8/2023 2:19:57 AM
Surr: BFB	93.7	15-244		%Rec	1	11/8/2023 2:19:57 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/8/2023 2:19:57 AM
Toluene	ND	0.050		mg/Kg	1	11/8/2023 2:19:57 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/8/2023 2:19:57 AM
Xylenes, Total	ND	0.10		mg/Kg	1	11/8/2023 2:19:57 AM
Surr: 4-Bromofluorobenzene	96.0	39.1-146		%Rec	1	11/8/2023 2:19:57 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	770	60		mg/Kg	20	11/7/2023 7:23:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-72 4'
Project: Prometheus **Collection Date:** 11/1/2023 2:45:00 PM
Lab ID: 2311164-011 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/6/2023 4:23:30 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/6/2023 4:23:30 PM
Surr: DNOP	83.6	69-147		%Rec	1	11/6/2023 4:23:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/8/2023 3:07:09 AM
Surr: BFB	93.5	15-244		%Rec	1	11/8/2023 3:07:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 3:07:09 AM
Toluene	ND	0.049		mg/Kg	1	11/8/2023 3:07:09 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/8/2023 3:07:09 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/8/2023 3:07:09 AM
Surr: 4-Bromofluorobenzene	94.8	39.1-146		%Rec	1	11/8/2023 3:07:09 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2200	60		mg/Kg	20	11/7/2023 7:35:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-73 4'
Project: Prometheus **Collection Date:** 11/1/2023 2:40:00 PM
Lab ID: 2311164-012 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/6/2023 4:34:12 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/6/2023 4:34:12 PM
Surr: DNOP	85.0	69-147		%Rec	1	11/6/2023 4:34:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/8/2023 3:30:32 AM
Surr: BFB	94.3	15-244		%Rec	1	11/8/2023 3:30:32 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 3:30:32 AM
Toluene	ND	0.049		mg/Kg	1	11/8/2023 3:30:32 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/8/2023 3:30:32 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/8/2023 3:30:32 AM
Surr: 4-Bromofluorobenzene	95.4	39.1-146		%Rec	1	11/8/2023 3:30:32 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	910	60		mg/Kg	20	11/7/2023 7:48:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-74 4'
Project: Prometheus **Collection Date:** 11/1/2023 2:00:00 PM
Lab ID: 2311164-013 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/6/2023 4:44:56 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/6/2023 4:44:56 PM
Surr: DNOP	88.0	69-147		%Rec	1	11/6/2023 4:44:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/8/2023 3:54:03 AM
Surr: BFB	93.9	15-244		%Rec	1	11/8/2023 3:54:03 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 3:54:03 AM
Toluene	ND	0.048		mg/Kg	1	11/8/2023 3:54:03 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2023 3:54:03 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/8/2023 3:54:03 AM
Surr: 4-Bromofluorobenzene	95.3	39.1-146		%Rec	1	11/8/2023 3:54:03 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2200	150		mg/Kg	50	11/8/2023 1:02:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-75 4'
Project: Prometheus **Collection Date:** 11/1/2023 2:00:00 PM
Lab ID: 2311164-014 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/6/2023 4:55:36 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/6/2023 4:55:36 PM
Surr: DNOP	90.1	69-147		%Rec	1	11/6/2023 4:55:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/8/2023 4:17:38 AM
Surr: BFB	95.3	15-244		%Rec	1	11/8/2023 4:17:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/8/2023 4:17:38 AM
Toluene	ND	0.046		mg/Kg	1	11/8/2023 4:17:38 AM
Ethylbenzene	ND	0.046		mg/Kg	1	11/8/2023 4:17:38 AM
Xylenes, Total	ND	0.092		mg/Kg	1	11/8/2023 4:17:38 AM
Surr: 4-Bromofluorobenzene	97.0	39.1-146		%Rec	1	11/8/2023 4:17:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	4100	150		mg/Kg	50	11/8/2023 1:14:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-76 4'
Project: Prometheus **Collection Date:** 11/1/2023 2:40:00 PM
Lab ID: 2311164-015 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/6/2023 5:22:18 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/6/2023 5:22:18 PM
Surr: DNOP	87.5	69-147		%Rec	1	11/6/2023 5:22:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/8/2023 4:41:10 AM
Surr: BFB	95.5	15-244		%Rec	1	11/8/2023 4:41:10 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 4:41:10 AM
Toluene	ND	0.048		mg/Kg	1	11/8/2023 4:41:10 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/8/2023 4:41:10 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/8/2023 4:41:10 AM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	11/8/2023 4:41:10 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	2400	60		mg/Kg	20	11/7/2023 2:16:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-77 4'
Project: Prometheus
Collection Date: 11/1/2023 3:05:00 PM
Lab ID: 2311164-016 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/6/2023 5:43:35 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/6/2023 5:43:35 PM
Surr: DNOP	102	69-147		%Rec	1	11/6/2023 5:43:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/8/2023 5:04:42 AM
Surr: BFB	92.7	15-244		%Rec	1	11/8/2023 5:04:42 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 5:04:42 AM
Toluene	ND	0.047		mg/Kg	1	11/8/2023 5:04:42 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/8/2023 5:04:42 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/8/2023 5:04:42 AM
Surr: 4-Bromofluorobenzene	94.9	39.1-146		%Rec	1	11/8/2023 5:04:42 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1500	60		mg/Kg	20	11/7/2023 2:53:17 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-78 4'
Project: Prometheus **Collection Date:** 11/1/2023 2:45:00 PM
Lab ID: 2311164-017 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/6/2023 5:54:21 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/6/2023 5:54:21 PM
Surr: DNOP	96.2	69-147		%Rec	1	11/6/2023 5:54:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/8/2023 5:28:20 AM
Surr: BFB	94.9	15-244		%Rec	1	11/8/2023 5:28:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 5:28:20 AM
Toluene	ND	0.047		mg/Kg	1	11/8/2023 5:28:20 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/8/2023 5:28:20 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/8/2023 5:28:20 AM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	11/8/2023 5:28:20 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2700	150		mg/Kg	50	11/8/2023 1:26:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-79 4'
Project: Prometheus **Collection Date:** 11/1/2023 1:40:00 PM
Lab ID: 2311164-018 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/6/2023 6:05:09 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/6/2023 6:05:09 PM
Surr: DNOP	91.4	69-147		%Rec	1	11/6/2023 6:05:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/8/2023 5:51:54 AM
Surr: BFB	95.0	15-244		%Rec	1	11/8/2023 5:51:54 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/8/2023 5:51:54 AM
Toluene	ND	0.049		mg/Kg	1	11/8/2023 5:51:54 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/8/2023 5:51:54 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/8/2023 5:51:54 AM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	11/8/2023 5:51:54 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	2300	60		mg/Kg	20	11/7/2023 4:07:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-80 4'
Project: Prometheus **Collection Date:** 11/1/2023 1:35:00 PM
Lab ID: 2311164-019 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/6/2023 6:15:57 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/6/2023 6:15:57 PM
Surr: DNOP	98.6	69-147		%Rec	1	11/6/2023 6:15:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/8/2023 6:15:19 AM
Surr: BFB	94.5	15-244		%Rec	1	11/8/2023 6:15:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/8/2023 6:15:19 AM
Toluene	ND	0.049		mg/Kg	1	11/8/2023 6:15:19 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/8/2023 6:15:19 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/8/2023 6:15:19 AM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	11/8/2023 6:15:19 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	310	60		mg/Kg	20	11/7/2023 4:20:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-81 4'
Project: Prometheus **Collection Date:** 11/1/2023 1:30:00 PM
Lab ID: 2311164-020 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/6/2023 6:26:45 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/6/2023 6:26:45 PM
Surr: DNOP	86.1	69-147		%Rec	1	11/6/2023 6:26:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/8/2023 6:38:47 AM
Surr: BFB	93.2	15-244		%Rec	1	11/8/2023 6:38:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/8/2023 6:38:47 AM
Toluene	ND	0.049		mg/Kg	1	11/8/2023 6:38:47 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/8/2023 6:38:47 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/8/2023 6:38:47 AM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	11/8/2023 6:38:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	670	60		mg/Kg	20	11/7/2023 4:32:32 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-82 4'
Project: Prometheus **Collection Date:** 11/1/2023 12:35:00 PM
Lab ID: 2311164-021 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/7/2023 7:12:52 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/7/2023 7:12:52 PM
Surr: DNOP	84.0	69-147		%Rec	1	11/7/2023 7:12:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/8/2023 3:22:07 PM
Surr: BFB	94.7	15-244		%Rec	1	11/8/2023 3:22:07 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/8/2023 3:22:07 PM
Toluene	ND	0.050		mg/Kg	1	11/8/2023 3:22:07 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/8/2023 3:22:07 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/8/2023 3:22:07 PM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	11/8/2023 3:22:07 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	2200	60		mg/Kg	20	11/7/2023 4:44:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311164**
Date Reported: **11/13/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-104 4'
Project: Prometheus
Collection Date: 11/1/2023 12:30:00 PM
Lab ID: 2311164-022 **Matrix:** SOIL **Received Date:** 11/3/2023 7:55:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	11/7/2023 7:37:10 PM
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	11/7/2023 7:37:10 PM
Surr: DNOP	77.0	69-147		%Rec	1	11/7/2023 7:37:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/8/2023 3:45:26 PM
Surr: BFB	92.4	15-244		%Rec	1	11/8/2023 3:45:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/8/2023 3:45:26 PM
Toluene	ND	0.049		mg/Kg	1	11/8/2023 3:45:26 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/8/2023 3:45:26 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/8/2023 3:45:26 PM
Surr: 4-Bromofluorobenzene	95.7	39.1-146		%Rec	1	11/8/2023 3:45:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	1400	60		mg/Kg	20	11/7/2023 4:57:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311164**

13-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78599**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **78599**	RunNo: **101020**								
Prep Date: **11/6/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708550**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78599**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **78599**	RunNo: **101020**								
Prep Date: **11/6/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708551**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.0	90	110			

Sample ID: **MB-78597**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **78597**	RunNo: **101020**								
Prep Date: **11/6/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708554**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78597**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **78597**	RunNo: **101020**								
Prep Date: **11/6/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708555**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.6	90	110			

Sample ID: **MB-78613**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **78613**	RunNo: **101002**								
Prep Date: **11/7/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708614**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78613**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **78613**	RunNo: **101002**								
Prep Date: **11/7/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708615**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311164**

13-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311164-020AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-81 4'**	Batch ID: **78563**	RunNo: **100996**
Prep Date: **11/3/2023**	Analysis Date: **11/6/2023**	SeqNo: **3707246** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.7	48.73	0	99.4	54.2	135			
Surr: DNOP	5.8		4.873		118	69	147			

Sample ID: **2311164-020AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-81 4'**	Batch ID: **78563**	RunNo: **100996**
Prep Date: **11/3/2023**	Analysis Date: **11/6/2023**	SeqNo: **3707247** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.6	48.08	0	103	54.2	135	2.46	29.2	
Surr: DNOP	5.3		4.808		111	69	147	0	0	

Sample ID: **LCS-78563**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78563**	RunNo: **100996**
Prep Date: **11/3/2023**	Analysis Date: **11/6/2023**	SeqNo: **3707249** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	113	61.9	130			
Surr: DNOP	6.5		5.000		131	69	147			

Sample ID: **LCS-78588**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78588**	RunNo: **100996**
Prep Date: **11/6/2023**	Analysis Date: **11/6/2023**	SeqNo: **3707250** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.9	61.9	130			
Surr: DNOP	4.4		5.000		88.2	69	147			

Sample ID: **MB-78563**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78563**	RunNo: **100996**
Prep Date: **11/3/2023**	Analysis Date: **11/6/2023**	SeqNo: **3707252** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.2		10.00		91.9	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311164**

13-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78588**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78588**	RunNo: **100996**
Prep Date: **11/6/2023**	Analysis Date: **11/6/2023**	SeqNo: **3707253** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	69	147			

Sample ID: **2311164-022AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-104 4'**	Batch ID: **78588**	RunNo: **100997**
Prep Date: **11/6/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708981** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	9.7	48.45	0	109	54.2	135			
Surr: DNOP	3.6		4.845		73.7	69	147			

Sample ID: **2311164-022AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-104 4'**	Batch ID: **78588**	RunNo: **100997**
Prep Date: **11/6/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708982** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.3	46.43	0	110	54.2	135	2.99	29.2	
Surr: DNOP	3.5		4.643		74.4	69	147	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311164**

13-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78553**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78553**	RunNo: **100993**
Prep Date: **11/3/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708260** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	85.8	70	130			
Surr: BFB	1900		1000		194	15	244			

Sample ID: **mb-78553**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78553**	RunNo: **100993**
Prep Date: **11/3/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708261** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.4	15	244			

Sample ID: **2311164-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-34 0-3'**	Batch ID: **78553**	RunNo: **100993**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708263** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	24.75	0	84.7	70	130			
Surr: BFB	1900		990.1		197	15	244			

Sample ID: **2311164-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-34 0-3'**	Batch ID: **78553**	RunNo: **100993**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708264** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.9	24.49	0	82.5	70	130	3.62	20	
Surr: BFB	1900		979.4		196	15	244	0	0	

Sample ID: **lcs-78557**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78557**	RunNo: **101030**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3709400** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	106	70	130			
Surr: BFB	2100		1000		210	15	244			

Sample ID: **mb-78557**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78557**	RunNo: **101030**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3709401** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311164**

13-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **mb-78557**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78557**	RunNo: **101030**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3709401** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		94.6	15	244			

Sample ID: **2311164-021ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-82 4'**	Batch ID: **78557**	RunNo: **101030**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3709970** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.9	24.70	0	83.2	70	130			
Surr: BFB	1900		988.1		192	15	244			

Sample ID: **2311164-021amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-82 4'**	Batch ID: **78557**	RunNo: **101030**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3709971** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	24.93	0	83.9	70	130	1.76	20	
Surr: BFB	2000		997.0		196	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311164**

13-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78553**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78553**	RunNo: **100993**
Prep Date: **11/3/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708357** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.2	70	130			
Toluene	0.93	0.050	1.000	0	92.8	70	130			
Ethylbenzene	0.93	0.050	1.000	0	93.2	70	130			
Xylenes, Total	2.8	0.10	3.000	0	94.2	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.4	39.1	146			

Sample ID: **mb-78553**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78553**	RunNo: **100993**
Prep Date: **11/3/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708358** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.5	39.1	146			

Sample ID: **2311164-002AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-36 0-4'**	Batch ID: **78553**	RunNo: **100993**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708361** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9615	0	91.2	70	130			
Toluene	0.88	0.048	0.9615	0	91.8	70	130			
Ethylbenzene	0.89	0.048	0.9615	0	92.6	70	130			
Xylenes, Total	2.7	0.096	2.885	0	92.6	70	130			
Surr: 4-Bromofluorobenzene	0.93		0.9615		97.2	39.1	146			

Sample ID: **2311164-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-36 0-4'**	Batch ID: **78553**	RunNo: **100993**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708362** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9551	0	90.9	70	130	0.934	20	
Toluene	0.88	0.048	0.9551	0	91.8	70	130	0.780	20	
Ethylbenzene	0.89	0.048	0.9551	0	92.8	70	130	0.531	20	
Xylenes, Total	2.7	0.096	2.865	0	94.2	70	130	1.03	20	
Surr: 4-Bromofluorobenzene	0.93		0.9551		97.6	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311164**

13-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78557**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78557**	RunNo: **101030**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3709404** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.3	70	130			
Toluene	0.98	0.050	1.000	0	97.8	70	130			
Ethylbenzene	0.97	0.050	1.000	0	97.4	70	130			
Xylenes, Total	3.0	0.10	3.000	0	98.4	70	130			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.8	39.1	146			

Sample ID: **mb-78557**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78557**	RunNo: **101030**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3709405** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	39.1	146			

Sample ID: **2311164-022ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-104 4'**	Batch ID: **78557**	RunNo: **101030**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710066** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9814	0	89.4	70	130			
Toluene	0.88	0.049	0.9814	0	90.0	70	130			
Ethylbenzene	0.89	0.049	0.9814	0	90.8	70	130			
Xylenes, Total	2.7	0.098	2.944	0	91.4	70	130			
Surr: 4-Bromofluorobenzene	0.97		0.9814		98.4	39.1	146			

Sample ID: **2311164-022amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-104 4'**	Batch ID: **78557**	RunNo: **101030**
Prep Date: **11/3/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710067** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9823	0	90.0	70	130	0.778	20	
Toluene	0.89	0.049	0.9823	0	91.1	70	130	1.29	20	
Ethylbenzene	0.90	0.049	0.9823	0	91.9	70	130	1.27	20	
Xylenes, Total	2.7	0.098	2.947	0	91.9	70	130	0.742	20	
Surr: 4-Bromofluorobenzene	0.94		0.9823		95.8	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2311164 RcptNo: 1

Received By: Tracy Casarrubias 11/3/2023 7:55:00 AM

Completed By: Tracy Casarrubias 11/3/2023 8:59:25 AM

Reviewed By: JM 11/3/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑ TMC 11/3/23	No ☑	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)

Adjusted? ____

Checked by: SCM 11/3/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☑ No ☐ NA ☑ TMC 11/3/23

Person Notified: Erin C. Date: 11/3/23

By Whom: Tracy Casarrubias Via: ☐ eMail ☑ Phone ☐ Fax ☐ In Person

Regarding: Time discrepancy.

Client Instructions: Mailing address, phone number and Email/Fax are missing on COC - TMC 11/3/23

16. Additional remarks: COC time of "13:30" is accurate. Moving forward with that time - TMC 11/3/23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.3	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:32:32 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name:
Prometheus

Project #:
23E-03329

Project Manager:
Kent Stallings
MMoffitt@vertex.ca

Sampler: L. Pullman
On Ice: ☒ Yes ☐ No Yogi
# of Coolers: 1
Cooler Temp(including CF): 1.3-0=1.3°c

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311164	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/01/23	12:25	Soil	WS23-34 0-3'	1, 4oz jar		001	X	X					X			
11/01/23	12:15	Soil	WS23-36 0-4'	1, 4oz jar		002	X	X					X			
11/01/23	12:10	Soil	WS23-44 0-4'	1, 4oz jar		003	X	X					X			
11/01/23	12:20	Soil	WS23-68 0-4'	1, 4oz jar		004	X	X					X			
11/01/23	12:20	Soil	WS23-69 0-4'	1, 4oz jar		005	X	X					X			
11/01/23	12:25	Soil	WS23-70 0-4'	1, 4oz jar		006	X	X					X			
11/01/23	13:30	Soil	BS23-68 4'	1, 4oz jar		007	X	X					X			
11/01/23	13:30	Soil	BS23-69 4'	1, 4oz jar		008	X	X					X			
11/01/23	13:40	Soil	BS23-70 4'	1, 4oz jar		009	X	X					X			
11/01/23	13:45	Soil	BS23-71 4'	1, 4oz jar		010	X	X					X			
11/01/23	14:45	Soil	BS23-72 4'	1, 4oz jar		011	X	X					X			
11/01/23	14:40	Soil	BS23-73 4'	1, 4oz jar		012	X	X					X			

Date	Time	Relinquished by	Received by	Via	Date	Time
11-02-23	07:00	Jake Pullman				
11/2/23	1900			Courier	11/3/23	7:55

Analysis Request

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

1/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Kent Stallings
MMoffitt@vertex.ca

Sampler: L. Pullman

On Ice: ☒ Yes ☐ No 4oz.

# of Coolers: 1

Cooler Temp(including CF): 1.3-0=1.3°

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311164	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/01/23	14:00	Soil	BS23-74 4'	1, 4oz jar		013	X	X					X			
11/01/23	14:00	Soil	BS23-75 4'	1, 4oz jar		014	X	X					X			
11/01/23	14:40	Soil	BS23-76 4'	1, 4oz jar		015	X	X					X			
11/01/23	15:05	Soil	BS23-77 4'	1, 4oz jar		016	X	X					X			
11/01/23	14:45	Soil	BS23-78 4'	1, 4oz jar		017	X	X					X			
11/01/23	13:40	Soil	BS23-79 4'	1, 4oz jar		018	X	X					X			
11/01/23	13:35	Soil	BS23-80 4'	1, 4oz jar		019	X	X					X			
11/01/23	13:30	Soil	BS23-81 4'	1, 4oz jar		020	X	X					X			
11/01/23	12:35	Soil	BS23-82 4'	1, 4oz jar		021	X	X					X			
11/01/23	12:30	Soil	BS23-104 4'	1, 4oz jar		022	X	X					X			

Date	Time	Relinquished by	Received by	Via	Date	Time
11-2-23	07:00				11/2/23	0700
11/2/23	1900			courier	11/3/23	7:55

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

2/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 16, 2023

Kent Stallings

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311217

Dear Kent Stallings:

Eurofins Environment Testing South Central, LLC received 13 sample(s) on 11/4/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-29 0-4'
Project: Prometheus **Collection Date:** 11/2/2023 12:00:00 PM
Lab ID: 2311217-001 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/9/2023 2:19:55 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/9/2023 2:19:55 PM
Surr: DNOP	110	69-147		%Rec	1	11/9/2023 2:19:55 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/11/2023 4:43:00 AM
Surr: BFB	129	15-244		%Rec	1	11/11/2023 4:43:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/11/2023 4:43:00 AM
Toluene	ND	0.049		mg/Kg	1	11/11/2023 4:43:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/11/2023 4:43:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/11/2023 4:43:00 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	11/11/2023 4:43:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	78	61		mg/Kg	20	11/8/2023 8:53:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-30 0-4'
Project: Prometheus
Collection Date: 11/2/2023 3:50:00 PM
Lab ID: 2311217-002 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/8/2023 6:57:39 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/8/2023 6:57:39 PM
Surr: DNOP	117	69-147		%Rec	1	11/8/2023 6:57:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 5:05:00 AM
Surr: BFB	102	15-244		%Rec	1	11/11/2023 5:05:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 5:05:00 AM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 5:05:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 5:05:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/11/2023 5:05:00 AM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	11/11/2023 5:05:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 9:06:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-32 0-4'
Project: Prometheus
Collection Date: 11/2/2023 12:00:00 PM
Lab ID: 2311217-003 **Matrix:** SOIL
Received Date: 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/8/2023 7:08:21 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/8/2023 7:08:21 PM
Surr: DNOP	107	69-147		%Rec	1	11/8/2023 7:08:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 5:27:00 AM
Surr: BFB	104	15-244		%Rec	1	11/11/2023 5:27:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 5:27:00 AM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 5:27:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 5:27:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/11/2023 5:27:00 AM
Surr: 4-Bromofluorobenzene	97.1	39.1-146		%Rec	1	11/11/2023 5:27:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 9:43:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-71 0-4'
Project: Prometheus
Collection Date: 11/2/2023 10:00:00 AM
Lab ID: 2311217-004 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/8/2023 7:19:03 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/8/2023 7:19:03 PM
Surr: DNOP	123	69-147		%Rec	1	11/8/2023 7:19:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 5:48:00 AM
Surr: BFB	105	15-244		%Rec	1	11/11/2023 5:48:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 5:48:00 AM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 5:48:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 5:48:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	11/11/2023 5:48:00 AM
Surr: 4-Bromofluorobenzene	98.4	39.1-146		%Rec	1	11/11/2023 5:48:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 5:17:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-72 0-4'
Project: Prometheus
Collection Date: 11/2/2023 10:00:00 AM
Lab ID: 2311217-005 **Matrix:** SOIL
Received Date: 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/8/2023 7:29:45 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/8/2023 7:29:45 PM
Surr: DNOP	104	69-147		%Rec	1	11/8/2023 7:29:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/11/2023 6:10:00 AM
Surr: BFB	101	15-244		%Rec	1	11/11/2023 6:10:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/11/2023 6:10:00 AM
Toluene	ND	0.049		mg/Kg	1	11/11/2023 6:10:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/11/2023 6:10:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/11/2023 6:10:00 AM
Surr: 4-Bromofluorobenzene	98.6	39.1-146		%Rec	1	11/11/2023 6:10:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 6:03:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-73 0-4'
Project: Prometheus
Collection Date: 11/2/2023 3:45:00 PM
Lab ID: 2311217-006 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/8/2023 7:40:28 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/8/2023 7:40:28 PM
Surr: DNOP	110	69-147		%Rec	1	11/8/2023 7:40:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 6:32:00 AM
Surr: BFB	99.9	15-244		%Rec	1	11/11/2023 6:32:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 6:32:00 AM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 6:32:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 6:32:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/11/2023 6:32:00 AM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	11/11/2023 6:32:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	100	60		mg/Kg	20	11/8/2023 6:51:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-74 0-4'
Project: Prometheus
Collection Date: 11/2/2023 3:45:00 PM
Lab ID: 2311217-007 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/8/2023 7:51:11 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/8/2023 7:51:11 PM
Surr: DNOP	105	69-147		%Rec	1	11/8/2023 7:51:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 6:54:00 AM
Surr: BFB	102	15-244		%Rec	1	11/11/2023 6:54:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 6:54:00 AM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 6:54:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 6:54:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/11/2023 6:54:00 AM
Surr: 4-Bromofluorobenzene	97.8	39.1-146		%Rec	1	11/11/2023 6:54:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/8/2023 7:06:32 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-66 4'
Project: Prometheus
Collection Date: 11/2/2023 3:40:00 PM
Lab ID: 2311217-008 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/8/2023 8:01:54 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/8/2023 8:01:54 PM
Surr: DNOP	111	69-147		%Rec	1	11/8/2023 8:01:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/11/2023 7:37:00 AM
Surr: BFB	102	15-244		%Rec	1	11/11/2023 7:37:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	11/11/2023 7:37:00 AM
Toluene	ND	0.047		mg/Kg	1	11/11/2023 7:37:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/11/2023 7:37:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/11/2023 7:37:00 AM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	11/11/2023 7:37:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	510	60		mg/Kg	20	11/8/2023 7:52:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-83 4'
Project: Prometheus
Collection Date: 11/2/2023 10:05:00 AM
Lab ID: 2311217-009 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/8/2023 8:12:38 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/8/2023 8:12:38 PM
Surr: DNOP	120	69-147		%Rec	1	11/8/2023 8:12:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/11/2023 7:59:00 AM
Surr: BFB	103	15-244		%Rec	1	11/11/2023 7:59:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 7:59:00 AM
Toluene	ND	0.047		mg/Kg	1	11/11/2023 7:59:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/11/2023 7:59:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	11/11/2023 7:59:00 AM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	11/11/2023 7:59:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1300	61		mg/Kg	20	11/8/2023 8:07:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-105 4'
Project: Prometheus
Collection Date: 11/2/2023 10:05:00 AM
Lab ID: 2311217-010 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/8/2023 8:23:32 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/8/2023 8:23:32 PM
Surr: DNOP	116	69-147		%Rec	1	11/8/2023 8:23:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 8:21:00 AM
Surr: BFB	104	15-244		%Rec	1	11/11/2023 8:21:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 8:21:00 AM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 8:21:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 8:21:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/11/2023 8:21:00 AM
Surr: 4-Bromofluorobenzene	97.7	39.1-146		%Rec	1	11/11/2023 8:21:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1600	60		mg/Kg	20	11/8/2023 8:22:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-106 4'
Project: Prometheus
Collection Date: 11/2/2023 12:30:00 PM
Lab ID: 2311217-011 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/8/2023 8:34:23 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/8/2023 8:34:23 PM
Surr: DNOP	120	69-147		%Rec	1	11/8/2023 8:34:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/11/2023 8:43:00 AM
Surr: BFB	102	15-244		%Rec	1	11/11/2023 8:43:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 8:43:00 AM
Toluene	ND	0.049		mg/Kg	1	11/11/2023 8:43:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/11/2023 8:43:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/11/2023 8:43:00 AM
Surr: 4-Bromofluorobenzene	97.0	39.1-146		%Rec	1	11/11/2023 8:43:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	690	60		mg/Kg	20	11/8/2023 8:37:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-107 4'
Project: Prometheus
Collection Date: 11/2/2023 3:40:00 PM
Lab ID: 2311217-012 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/8/2023 6:02:25 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/8/2023 6:02:25 AM
Surr: DNOP	109	69-147		%Rec	1	11/8/2023 6:02:25 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 8:55:20 AM
Surr: BFB	92.1	15-244		%Rec	1	11/11/2023 8:55:20 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 8:55:20 AM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 8:55:20 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 8:55:20 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/11/2023 8:55:20 AM
Surr: 4-Bromofluorobenzene	95.7	39.1-146		%Rec	1	11/11/2023 8:55:20 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	550	60		mg/Kg	20	11/8/2023 8:52:39 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311217**
Date Reported: **11/16/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-108 4'
Project: Prometheus
Collection Date: 11/2/2023 12:30:00 PM
Lab ID: 2311217-013 **Matrix:** SOIL **Received Date:** 11/4/2023 9:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/9/2023 6:52:56 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/9/2023 6:52:56 AM
Surr: DNOP	95.3	69-147		%Rec	1	11/9/2023 6:52:56 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 10:31:00 AM
Surr: BFB	106	15-244		%Rec	1	11/11/2023 10:31:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 10:31:00 AM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 10:31:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 10:31:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/11/2023 10:31:00 AM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	11/11/2023 10:31:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	430	60		mg/Kg	20	11/8/2023 9:07:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311217**

16-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78651**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78651**	RunNo: **101036**
Prep Date: **11/8/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710197** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78651**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78651**	RunNo: **101036**
Prep Date: **11/8/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710198** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.0	90	110			

Sample ID: **MB-78662**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78662**	RunNo: **101068**
Prep Date: **11/8/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710608** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78662**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78662**	RunNo: **101068**
Prep Date: **11/8/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710609** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.2	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311217**

16-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78622**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78622**	RunNo: **101010**
Prep Date: **11/7/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708232** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.0		10.00		80.3	69	147			

Sample ID: **LCS-78622**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78622**	RunNo: **101010**
Prep Date: **11/7/2023**	Analysis Date: **11/7/2023**	SeqNo: **3708233** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	109	61.9	130			
Surr: DNOP	3.6		5.000		72.7	69	147			

Sample ID: **2311217-012AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-107 4'**	Batch ID: **78622**	RunNo: **101010**
Prep Date: **11/7/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708255** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	9.7	48.36	0	116	54.2	135			
Surr: DNOP	3.6		4.836		74.1	69	147			

Sample ID: **2311217-012AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-107 4'**	Batch ID: **78622**	RunNo: **101010**
Prep Date: **11/7/2023**	Analysis Date: **11/8/2023**	SeqNo: **3708256** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	9.7	48.59	0	116	54.2	135	1.16	29.2	
Surr: DNOP	3.6		4.859		73.8	69	147	0	0	

Sample ID: **MB-78631**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78631**	RunNo: **101039**
Prep Date: **11/7/2023**	Analysis Date: **11/9/2023**	SeqNo: **3710036** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		81.2	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311217**

16-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78631**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78631**	RunNo: **101039**
Prep Date: **11/7/2023**	Analysis Date: **11/9/2023**	SeqNo: **3710037** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	111	61.9	130			
Surr: DNOP	3.8		5.000		75.6	69	147			

Sample ID: **2311217-011AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-106 4'**	Batch ID: **78618**	RunNo: **101067**
Prep Date: **11/7/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710704** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	9.9	49.31	0	110	54.2	135			
Surr: DNOP	6.4		4.931		129	69	147			

Sample ID: **2311217-011AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-106 4'**	Batch ID: **78618**	RunNo: **101067**
Prep Date: **11/7/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710705** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.8	49.12	0	104	54.2	135	6.77	29.2	
Surr: DNOP	5.9		4.912		120	69	147	0	0	

Sample ID: **LCS-78618**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78618**	RunNo: **101067**
Prep Date: **11/7/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710706** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	61.9	130			
Surr: DNOP	6.3		5.000		126	69	147			

Sample ID: **MB-78618**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78618**	RunNo: **101067**
Prep Date: **11/7/2023**	Analysis Date: **11/8/2023**	SeqNo: **3710708** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		97.8	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311217**

16-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78602**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78602**	RunNo: **101095**
Prep Date: **11/6/2023**	Analysis Date: **11/10/2023**	SeqNo: **3713006** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.3	70	130			
Surr: BFB	2200		1000		218	15	244			

Sample ID: **mb-78602**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78602**	RunNo: **101095**
Prep Date: **11/6/2023**	Analysis Date: **11/10/2023**	SeqNo: **3713007** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		109	15	244			

Sample ID: **lcs-78605**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78605**	RunNo: **101100**
Prep Date: **11/6/2023**	Analysis Date: **11/10/2023**	SeqNo: **3713152** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	82.0	70	130			
Surr: BFB	1900		1000		194	15	244			

Sample ID: **mb-78605**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78605**	RunNo: **101100**
Prep Date: **11/6/2023**	Analysis Date: **11/10/2023**	SeqNo: **3713154** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	920		1000		91.9	15	244			

Sample ID: **lcs-78619**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78619**	RunNo: **101095**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713277** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	90.0	70	130			
Surr: BFB	2300		1000		235	15	244			

Sample ID: **mb-78619**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78619**	RunNo: **101095**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713278** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311217**

16-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **mb-78619**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78619**	RunNo: **101095**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713278** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	15	244			

Sample ID: **2311217-013ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-108 4'**	Batch ID: **78619**	RunNo: **101095**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713280** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	24.25	0	87.0	70	130			
Surr: BFB	2200		969.9		229	15	244			

Sample ID: **2311217-013amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-108 4'**	Batch ID: **78619**	RunNo: **101095**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713281** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.8	24.08	0	82.3	70	130	6.25	20	
Surr: BFB	2200		963.4		226	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311217**

16-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78602**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78602**	RunNo: **101095**
Prep Date: **11/6/2023**	Analysis Date: **11/10/2023**	SeqNo: **3713013** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	103	70	130			
Toluene	1.0	0.050	1.000	0	102	70	130			
Ethylbenzene	1.0	0.050	1.000	0	104	70	130			
Xylenes, Total	3.1	0.10	3.000	0	104	70	130			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.9	39.1	146			

Sample ID: **mb-78602**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78602**	RunNo: **101095**
Prep Date: **11/6/2023**	Analysis Date: **11/10/2023**	SeqNo: **3713014** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **LCS-78605**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78605**	RunNo: **101100**
Prep Date: **11/6/2023**	Analysis Date: **11/10/2023**	SeqNo: **3713201** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.2	70	130			
Toluene	0.93	0.050	1.000	0	93.4	70	130			
Ethylbenzene	0.94	0.050	1.000	0	94.0	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.9	70	130			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.3	39.1	146			

Sample ID: **mb-78605**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78605**	RunNo: **101100**
Prep Date: **11/6/2023**	Analysis Date: **11/10/2023**	SeqNo: **3713203** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.6	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311217**

16-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78619**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78619**	RunNo: **101095**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713318** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	107	70	130			
Toluene	1.1	0.050	1.000	0	106	70	130			
Ethylbenzene	1.1	0.050	1.000	0	108	70	130			
Xylenes, Total	3.3	0.10	3.000	0	109	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.9	39.1	146			

Sample ID: **mb-78619**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78619**	RunNo: **101095**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713319** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.6	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2311217 RcptNo: 1

Received By: Tracy Casarrubias 11/4/2023 9:00:00 AM

Completed By: Tracy Casarrubias 11/4/2023 10:17:33 AM

Reviewed By: CMC 11/6/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: TMC 11/4/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Mailing address, phone number and Email/Fax are missing on COC- TMC 11/4/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.6	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☐ Standard X Rush_72-hour rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Kent Stallings

MMoffitt@vertex.ca

Sampler: L. Pullman

On Ice: X Yes ☐ No 4ogi

# of Coolers: 1

Cooler Temp(including CF): 3.6-0=3.6°

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311217	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/02/23	12:00	Soil	WS23-29 0-4'	1, 4oz jar		001	X	X					X			
11/02/23	15:50	Soil	WS23-30 0-4'	1, 4oz jar		002	X	X					X			
11/02/23	12:00	Soil	WS23-32 0-4'	1, 4oz jar		003	X	X					X			
11/02/23	10:00	Soil	WS23-71 0-4'	1, 4oz jar		004	X	X					X			
11/02/23	10:00	Soil	WS23-72 0-4'	1, 4oz jar		005	X	X					X			
11/02/23	15:45	Soil	WS23-73 0-4'	1, 4oz jar		006	X	X					X			
11/02/23	15:45	Soil	WS23-74 0-4'	1, 4oz jar		007	X	X					X			
11/02/23	15:40	Soil	BS23-66 4'	1, 4oz jar		008	X	X					X			
11/02/23	10:05	Soil	BS23-83 4'	1, 4oz jar		009	X	X					X			
11/02/23	10:05	Soil	BS23-105 4'	1, 4oz jar		010	X	X					X			
11/02/23	12:30	Soil	BS23-106 4'	1, 4oz jar		011	X	X					X			
11/02/23	15:40	Soil	BS23-107 4'	1, 4oz jar		012	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11-3-23	07:00				11/3/23	0700
11/3/23	1900			Via: courier	11/4/23	9:00

Remarks:

Ace Fluid Solutions

cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

1/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name:
Prometheus

Project #:
23E-03329

Project Manager:
Kent Stallings
MMoffitt@vertex.ca

Sampler: L. Pullman

On Ice: ☒ Yes ☐ No 40gi

# of Coolers: 1

Cooler Temp(including CF): 3.6-0=3.6 c

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311217	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl), F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/02/23	12:30	Soil	BS23-108 4'	1, 4oz jar		013	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11-3-23	0700				11/3/23	0700
11/3/23	1900			courier	11/4/23	9:00

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

2/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 17, 2023

Kent Stallings

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311276

Dear Kent Stallings:

Eurofins Environment Testing South Central, LLC received 11 sample(s) on 11/7/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-26 0-4'
Project: Prometheus
Collection Date: 11/3/2023 10:50:00 AM
Lab ID: 2311276-001 **Matrix:** SOIL
Received Date: 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/10/2023 12:22:33 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/10/2023 12:22:33 PM
Surr: DNOP	117	69-147		%Rec	1	11/10/2023 12:22:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/11/2023 11:16:06 AM
Surr: BFB	93.2	15-244		%Rec	1	11/11/2023 11:16:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 11:16:06 AM
Toluene	ND	0.049		mg/Kg	1	11/11/2023 11:16:06 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/11/2023 11:16:06 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/11/2023 11:16:06 AM
Surr: 4-Bromofluorobenzene	95.7	39.1-146		%Rec	1	11/11/2023 11:16:06 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	100	60		mg/Kg	20	11/9/2023 11:30:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-27 0-4'
Project: Prometheus
Collection Date: 11/3/2023 11:00:00 AM
Lab ID: 2311276-002 **Matrix:** SOIL
Received Date: 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/10/2023 12:33:24 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/10/2023 12:33:24 PM
Surr: DNOP	102	69-147		%Rec	1	11/10/2023 12:33:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 11:39:33 AM
Surr: BFB	94.4	15-244		%Rec	1	11/11/2023 11:39:33 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 11:39:33 AM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 11:39:33 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 11:39:33 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/11/2023 11:39:33 AM
Surr: 4-Bromofluorobenzene	99.6	39.1-146		%Rec	1	11/11/2023 11:39:33 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	66	60		mg/Kg	20	11/9/2023 11:42:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-28 0-4'
Project: Prometheus **Collection Date:** 11/3/2023 11:25:00 AM
Lab ID: 2311276-003 **Matrix:** SOIL **Received Date:** 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/10/2023 12:49:50 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/10/2023 12:49:50 PM
Surr: DNOP	100	69-147		%Rec	1	11/10/2023 12:49:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/11/2023 12:02:50 PM
Surr: BFB	95.1	15-244		%Rec	1	11/11/2023 12:02:50 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 12:02:50 PM
Toluene	ND	0.049		mg/Kg	1	11/11/2023 12:02:50 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/11/2023 12:02:50 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/11/2023 12:02:50 PM
Surr: 4-Bromofluorobenzene	99.5	39.1-146		%Rec	1	11/11/2023 12:02:50 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	11/9/2023 11:55:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-45 0-4'
Project: Prometheus **Collection Date:** 11/3/2023 9:55:00 AM
Lab ID: 2311276-004 **Matrix:** SOIL **Received Date:** 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	13	9.7		mg/Kg	1	11/10/2023 1:00:22 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/10/2023 1:00:22 PM
Surr: DNOP	102	69-147		%Rec	1	11/10/2023 1:00:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 12:26:24 PM
Surr: BFB	92.2	15-244		%Rec	1	11/11/2023 12:26:24 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 12:26:24 PM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 12:26:24 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 12:26:24 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/11/2023 12:26:24 PM
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	11/11/2023 12:26:24 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	85	60		mg/Kg	20	11/10/2023 12:07:47 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-46 0-4'
Project: Prometheus
Collection Date: 11/3/2023 11:30:00 AM
Lab ID: 2311276-005 **Matrix:** SOIL
Received Date: 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/9/2023 8:29:24 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/9/2023 8:29:24 PM
Surr: DNOP	109	69-147		%Rec	1	11/9/2023 8:29:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 12:50:04 PM
Surr: BFB	93.1	15-244		%Rec	1	11/11/2023 12:50:04 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 12:50:04 PM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 12:50:04 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 12:50:04 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/11/2023 12:50:04 PM
Surr: 4-Bromofluorobenzene	97.1	39.1-146		%Rec	1	11/11/2023 12:50:04 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/9/2023 8:13:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-47 0-4
Project: Prometheus
Collection Date: 11/3/2023 10:45:00 AM
Lab ID: 2311276-006 **Matrix:** SOIL **Received Date:** 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/9/2023 9:00:52 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/9/2023 9:00:52 PM
Surr: DNOP	104	69-147		%Rec	1	11/9/2023 9:00:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/11/2023 1:13:44 PM
Surr: BFB	92.9	15-244		%Rec	1	11/11/2023 1:13:44 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 1:13:44 PM
Toluene	ND	0.047		mg/Kg	1	11/11/2023 1:13:44 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/11/2023 1:13:44 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/11/2023 1:13:44 PM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	11/11/2023 1:13:44 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/9/2023 8:59:18 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-75 0-4
Project: Prometheus
Collection Date: 11/3/2023 8:30:00 AM
Lab ID: 2311276-007 **Matrix:** SOIL **Received Date:** 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/9/2023 9:11:23 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/9/2023 9:11:23 PM
Surr: DNOP	111	69-147		%Rec	1	11/9/2023 9:11:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/11/2023 1:37:19 PM
Surr: BFB	91.0	15-244		%Rec	1	11/11/2023 1:37:19 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/11/2023 1:37:19 PM
Toluene	ND	0.049		mg/Kg	1	11/11/2023 1:37:19 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/11/2023 1:37:19 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/11/2023 1:37:19 PM
Surr: 4-Bromofluorobenzene	95.3	39.1-146		%Rec	1	11/11/2023 1:37:19 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	11/10/2023 8:46:18 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-61 4'
Project: Prometheus
Collection Date: 11/3/2023 10:45:00 AM
Lab ID: 2311276-008 **Matrix:** SOIL **Received Date:** 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/9/2023 9:21:52 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/9/2023 9:21:52 PM
Surr: DNOP	124	69-147		%Rec	1	11/9/2023 9:21:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/11/2023 2:00:48 PM
Surr: BFB	92.2	15-244		%Rec	1	11/11/2023 2:00:48 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 2:00:48 PM
Toluene	ND	0.049		mg/Kg	1	11/11/2023 2:00:48 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/11/2023 2:00:48 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/11/2023 2:00:48 PM
Surr: 4-Bromofluorobenzene	95.6	39.1-146		%Rec	1	11/11/2023 2:00:48 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	310	60		mg/Kg	20	11/10/2023 8:58:43 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-64 4'
Project: Prometheus
Collection Date: 11/3/2023 11:20:00 AM
Lab ID: 2311276-009 **Matrix:** SOIL **Received Date:** 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/9/2023 9:32:20 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/9/2023 9:32:20 PM
Surr: DNOP	121	69-147		%Rec	1	11/9/2023 9:32:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/11/2023 2:24:20 PM
Surr: BFB	93.3	15-244		%Rec	1	11/11/2023 2:24:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 2:24:20 PM
Toluene	ND	0.049		mg/Kg	1	11/11/2023 2:24:20 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/11/2023 2:24:20 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/11/2023 2:24:20 PM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	11/11/2023 2:24:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	130	60		mg/Kg	20	11/10/2023 9:11:08 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-65 4'
Project: Prometheus
Collection Date: 11/3/2023 9:50:00 AM
Lab ID: 2311276-010 **Matrix:** SOIL **Received Date:** 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/9/2023 9:42:47 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/9/2023 9:42:47 PM
Surr: DNOP	159	69-147	S	%Rec	1	11/9/2023 9:42:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/11/2023 2:47:49 PM
Surr: BFB	99.1	15-244		%Rec	1	11/11/2023 2:47:49 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/11/2023 2:47:49 PM
Toluene	ND	0.047		mg/Kg	1	11/11/2023 2:47:49 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/11/2023 2:47:49 PM
Xylenes, Total	ND	0.093		mg/Kg	1	11/11/2023 2:47:49 PM
Surr: 4-Bromofluorobenzene	97.8	39.1-146		%Rec	1	11/11/2023 2:47:49 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	360	60		mg/Kg	20	11/10/2023 9:23:32 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311276**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-109 4'
Project: Prometheus
Collection Date: 11/3/2023 4:30:00 PM
Lab ID: 2311276-011 **Matrix:** SOIL **Received Date:** 11/7/2023 7:25:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/9/2023 9:53:15 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/9/2023 9:53:15 PM
Surr: DNOP	120	69-147		%Rec	1	11/9/2023 9:53:15 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/11/2023 8:01:51 PM
Surr: BFB	94.5	15-244		%Rec	1	11/11/2023 8:01:51 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/11/2023 8:01:51 PM
Toluene	ND	0.048		mg/Kg	1	11/11/2023 8:01:51 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/11/2023 8:01:51 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/11/2023 8:01:51 PM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	11/11/2023 8:01:51 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	520	60		mg/Kg	20	11/10/2023 9:35:57 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311276**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78694**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78694**	RunNo: **101073**
Prep Date: **11/9/2023**	Analysis Date: **11/9/2023**	SeqNo: **3711697** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78694**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78694**	RunNo: **101073**
Prep Date: **11/9/2023**	Analysis Date: **11/9/2023**	SeqNo: **3711698** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: **MB-78695**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78695**	RunNo: **101078**
Prep Date: **11/9/2023**	Analysis Date: **11/9/2023**	SeqNo: **3712671** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78695**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78695**	RunNo: **101078**
Prep Date: **11/9/2023**	Analysis Date: **11/9/2023**	SeqNo: **3712672** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311276**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311276-011AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-109 4'**	Batch ID: **78648**	RunNo: **101077**
Prep Date: **11/8/2023**	Analysis Date: **11/9/2023**	SeqNo: **3711222** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	49.90	0	102	54.2	135			
Surr: DNOP	6.3		4.990		126	69	147			

Sample ID: **2311276-011AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-109 4'**	Batch ID: **78648**	RunNo: **101077**
Prep Date: **11/8/2023**	Analysis Date: **11/9/2023**	SeqNo: **3711223** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	9.4	46.90	0	83.1	54.2	135	26.3	29.2	
Surr: DNOP	4.4		4.690		93.2	69	147	0	0	

Sample ID: **LCS-78648**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78648**	RunNo: **101077**
Prep Date: **11/8/2023**	Analysis Date: **11/9/2023**	SeqNo: **3711226** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	119	61.9	130			
Surr: DNOP	6.6		5.000		132	69	147			

Sample ID: **MB-78648**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78648**	RunNo: **101077**
Prep Date: **11/8/2023**	Analysis Date: **11/9/2023**	SeqNo: **3711227** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		112	69	147			

Sample ID: **LCS-78701**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78701**	RunNo: **101089**
Prep Date: **11/10/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713386** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		96.9	69	147			

Sample ID: **MB-78701**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78701**	RunNo: **101089**
Prep Date: **11/10/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713388** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311276**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78701**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78701**	RunNo: **101089**
Prep Date: **11/10/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713388** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	69	147			

Sample ID: **MB-78708**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78708**	RunNo: **101132**
Prep Date: **11/10/2023**	Analysis Date: **11/10/2023**	SeqNo: **3714454** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	69	147			

Sample ID: **LCS-78708**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78708**	RunNo: **101132**
Prep Date: **11/10/2023**	Analysis Date: **11/10/2023**	SeqNo: **3714455** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.000		101	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311276**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78633**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78633**	RunNo: **101100**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713153** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	5.0	25.00	0	74.1	70	130			
Surr: BFB	1900		1000		191	15	244			

Sample ID: **mb-78633**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78633**	RunNo: **101100**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713155** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.4	15	244			

Sample ID: **2311276-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-26 0-4'**	Batch ID: **78633**	RunNo: **101125**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3714036** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	17	4.9	24.41	0	69.3	70	130			S
Surr: BFB	2000		976.6		204	15	244			

Sample ID: **2311276-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-26 0-4'**	Batch ID: **78633**	RunNo: **101125**
Prep Date: **11/7/2023**	Analysis Date: **11/12/2023**	SeqNo: **3714037** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	16	4.9	24.32	0	65.1	70	130	6.64	20	S
Surr: BFB	1900		972.8		190	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311276**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78633**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78633**	RunNo: **101100**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713202** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.7	70	130			
Toluene	0.95	0.050	1.000	0	94.5	70	130			
Ethylbenzene	0.96	0.050	1.000	0	96.1	70	130			
Xylenes, Total	2.9	0.10	3.000	0	95.8	70	130			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	39.1	146			

Sample ID: **mb-78633**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78633**	RunNo: **101100**
Prep Date: **11/7/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713204** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.3	39.1	146			

Sample ID: **2311276-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-27 0-4'**	Batch ID: **78633**	RunNo: **101125**
Prep Date: **11/7/2023**	Analysis Date: **11/12/2023**	SeqNo: **3714099** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9643	0	88.7	70	130			
Toluene	0.87	0.048	0.9643	0	90.1	70	130			
Ethylbenzene	0.88	0.048	0.9643	0	91.2	70	130			
Xylenes, Total	2.7	0.096	2.893	0	91.8	70	130			
Surr: 4-Bromofluorobenzene	0.91		0.9643		94.6	39.1	146			

Sample ID: **2311276-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-27 0-4'**	Batch ID: **78633**	RunNo: **101125**
Prep Date: **11/7/2023**	Analysis Date: **11/12/2023**	SeqNo: **3714100** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.024	0.9597	0	88.9	70	130	0.222	20	
Toluene	0.86	0.048	0.9597	0	89.1	70	130	1.56	20	
Ethylbenzene	0.87	0.048	0.9597	0	90.3	70	130	1.57	20	
Xylenes, Total	2.6	0.096	2.879	0	90.4	70	130	2.04	20	
Surr: 4-Bromofluorobenzene	0.92		0.9597		96.4	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2311276 | RcptNo: 1

Received By: Juan Rojas 11/7/2023 7:25:00 AM

Completed By: Cheyenne Cason 11/7/2023 7:50:28 AM

Reviewed By: SCM 11/7/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JM 11/7/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.8	Good	Not Present	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name:
Prometheus

Project #:
23E-03329

Project Manager:
Kent Stallings
MMoffitt@vertex.ca

Sampler: L. Pullman
On Ice: ☐ Yes ☐ No
# of Coolers: 1 Yoni
Cooler Temp(including CF): 1.7+0.1=1.8

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311276	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/03/23	10:50	Soil	WS23-26 0-4'	1, 4oz jar		001	X	X					X			
11/03/23	11:00	Soil	WS23-27 0-4'	1, 4oz jar		002	X	X					X			
11/03/23	11:25	Soil	WS23-28 0-4'	1, 4oz jar		003	X	X					X			
11/03/23	9:55	Soil	WS23-45 0-4'	1, 4oz jar		004	X	X					X			
11/03/23	11:30	Soil	WS23-46 0-4'	1, 4oz jar		005	X	X					X			
11/03/23	10:45	Soil	WS23-47 0-4'	1, 4oz jar		006	X	X					X			
11/03/23	8:30	Soil	WS23-75 0-4'	1, 4oz jar		007	X	X					X			
11/03/23	10:45	Soil	BS23-61 4'	1, 4oz jar		008	X	X					X			
11/03/23	11:20	Soil	BS23-64 4'	1, 4oz jar		009	X	X					X			
11/03/23	9:50	Soil	BS23-65 4'	1, 4oz jar		010	X	X					X			
11/03/23	16:30	Soil	BS23-109 4'	1, 4oz jar		011	X	X					X			
						012										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11/3/23	0700	Lab Pullman	Courier		11/6/23	700
11/6/23	700	Courier	Courier	11/7/23	7:25	

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report

1/1

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 17, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311345

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 8 sample(s) on 11/8/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311345**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-23 0-4'
Project: Prometheus **Collection Date:** 11/6/2023 2:25:00 PM
Lab ID: 2311345-001 **Matrix:** SOIL **Received Date:** 11/8/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/11/2023 3:30:47 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/11/2023 3:30:47 AM
Surr: DNOP	93.7	69-147		%Rec	1	11/11/2023 3:30:47 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/13/2023 10:13:00 AM
Surr: BFB	104	15-244		%Rec	1	11/13/2023 10:13:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/13/2023 10:13:00 AM
Toluene	ND	0.049		mg/Kg	1	11/13/2023 10:13:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/13/2023 10:13:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	11/13/2023 10:13:00 AM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	11/13/2023 10:13:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	61	60		mg/Kg	20	11/10/2023 6:29:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311345**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-24 0-4'
Project: Prometheus **Collection Date:** 11/6/2023 2:20:00 PM
Lab ID: 2311345-002 **Matrix:** SOIL **Received Date:** 11/8/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/11/2023 3:41:18 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/11/2023 3:41:18 AM
Surr: DNOP	96.0	69-147		%Rec	1	11/11/2023 3:41:18 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/13/2023 10:35:00 AM
Surr: BFB	107	15-244		%Rec	1	11/13/2023 10:35:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/13/2023 10:35:00 AM
Toluene	ND	0.049		mg/Kg	1	11/13/2023 10:35:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/13/2023 10:35:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	11/13/2023 10:35:00 AM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	11/13/2023 10:35:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	250	60		mg/Kg	20	11/10/2023 6:41:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311345**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-25 0-4'
Project: Prometheus
Collection Date: 11/6/2023 11:05:00 AM
Lab ID: 2311345-003 **Matrix:** SOIL **Received Date:** 11/8/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/11/2023 3:51:58 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/11/2023 3:51:58 AM
Surr: DNOP	98.3	69-147		%Rec	1	11/11/2023 3:51:58 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/13/2023 10:57:00 AM
Surr: BFB	104	15-244		%Rec	1	11/13/2023 10:57:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/13/2023 10:57:00 AM
Toluene	ND	0.048		mg/Kg	1	11/13/2023 10:57:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/13/2023 10:57:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/13/2023 10:57:00 AM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	11/13/2023 10:57:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	720	60		mg/Kg	20	11/10/2023 6:54:05 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311345**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-48 0-4'
Project: Prometheus
Collection Date: 11/6/2023 11:10:00 AM
Lab ID: 2311345-004 **Matrix:** SOIL **Received Date:** 11/8/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/11/2023 4:02:26 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/11/2023 4:02:26 AM
Surr: DNOP	94.3	69-147		%Rec	1	11/11/2023 4:02:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/13/2023 11:19:00 AM
Surr: BFB	109	15-244		%Rec	1	11/13/2023 11:19:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/13/2023 11:19:00 AM
Toluene	ND	0.048		mg/Kg	1	11/13/2023 11:19:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/13/2023 11:19:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	11/13/2023 11:19:00 AM
Surr: 4-Bromofluorobenzene	99.3	39.1-146		%Rec	1	11/13/2023 11:19:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	11/10/2023 7:06:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311345**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-49 0-4'
Project: Prometheus
Collection Date: 11/6/2023 2:25:00 PM
Lab ID: 2311345-005 **Matrix:** SOIL **Received Date:** 11/8/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/11/2023 4:12:54 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/11/2023 4:12:54 AM
Surr: DNOP	97.7	69-147		%Rec	1	11/11/2023 4:12:54 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/13/2023 11:40:00 AM
Surr: BFB	99.2	15-244		%Rec	1	11/13/2023 11:40:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/13/2023 11:40:00 AM
Toluene	ND	0.050		mg/Kg	1	11/13/2023 11:40:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/13/2023 11:40:00 AM
Xylenes, Total	ND	0.10		mg/Kg	1	11/13/2023 11:40:00 AM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	11/13/2023 11:40:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	76	60		mg/Kg	20	11/10/2023 7:18:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311345**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-50 0-4'
Project: Prometheus **Collection Date:** 11/6/2023 2:30:00 PM
Lab ID: 2311345-006 **Matrix:** SOIL **Received Date:** 11/8/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/11/2023 4:23:21 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/11/2023 4:23:21 AM
Surr: DNOP	94.4	69-147		%Rec	1	11/11/2023 4:23:21 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/13/2023 12:02:00 PM
Surr: BFB	106	15-244		%Rec	1	11/13/2023 12:02:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/13/2023 12:02:00 PM
Toluene	ND	0.048		mg/Kg	1	11/13/2023 12:02:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/13/2023 12:02:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/13/2023 12:02:00 PM
Surr: 4-Bromofluorobenzene	99.7	39.1-146		%Rec	1	11/13/2023 12:02:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	ND	60		mg/Kg	20	11/10/2023 7:31:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311345**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-62 4'
Project: Prometheus
Collection Date: 11/6/2023 12:00:00 PM
Lab ID: 2311345-007 **Matrix:** SOIL **Received Date:** 11/8/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/11/2023 4:33:45 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/11/2023 4:33:45 AM
Surr: DNOP	95.6	69-147		%Rec	1	11/11/2023 4:33:45 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/13/2023 12:24:00 PM
Surr: BFB	107	15-244		%Rec	1	11/13/2023 12:24:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/13/2023 12:24:00 PM
Toluene	ND	0.049		mg/Kg	1	11/13/2023 12:24:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/13/2023 12:24:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/13/2023 12:24:00 PM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	11/13/2023 12:24:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	360	60		mg/Kg	20	11/10/2023 7:43:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311345**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-63 4'
Project: Prometheus
Collection Date: 11/6/2023 11:45:00 AM
Lab ID: 2311345-008 **Matrix:** SOIL **Received Date:** 11/8/2023 7:35:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **mb**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/11/2023 4:44:06 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/11/2023 4:44:06 AM
Surr: DNOP	103	69-147		%Rec	1	11/11/2023 4:44:06 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/13/2023 12:46:00 PM
Surr: BFB	104	15-244		%Rec	1	11/13/2023 12:46:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	11/13/2023 12:46:00 PM
Toluene	ND	0.046		mg/Kg	1	11/13/2023 12:46:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	11/13/2023 12:46:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	11/13/2023 12:46:00 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	11/13/2023 12:46:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	370	60		mg/Kg	20	11/10/2023 7:56:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311345**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78713**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **78713**	RunNo: **101133**							
Prep Date: **11/10/2023**	Analysis Date: **11/10/2023**	SeqNo: **3714641**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78713**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **78713**	RunNo: **101133**							
Prep Date: **11/10/2023**	Analysis Date: **11/10/2023**	SeqNo: **3714642**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311345**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78701**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78701**	RunNo: **101089**
Prep Date: **11/10/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713386** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.3	61.9	130			
Surr: DNOP	4.8		5.000		96.9	69	147			

Sample ID: **MB-78701**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78701**	RunNo: **101089**
Prep Date: **11/10/2023**	Analysis Date: **11/11/2023**	SeqNo: **3713388** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	69	147			

Sample ID: **LCS-78707**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78707**	RunNo: **101124**
Prep Date: **11/10/2023**	Analysis Date: **11/13/2023**	SeqNo: **3714787** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		89.0	69	147			

Sample ID: **MB-78707**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78707**	RunNo: **101124**
Prep Date: **11/10/2023**	Analysis Date: **11/13/2023**	SeqNo: **3714789** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.8		10.00		98.5	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311345**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78650**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78650**	RunNo: **101136**
Prep Date: **11/8/2023**	Analysis Date: **11/13/2023**	SeqNo: **3714727** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.9	70	130			
Surr: BFB	2200		1000		218	15	244			

Sample ID: **mb-78650**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78650**	RunNo: **101136**
Prep Date: **11/8/2023**	Analysis Date: **11/13/2023**	SeqNo: **3714728** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	15	244			

Sample ID: **2311345-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-23 0-4'**	Batch ID: **78650**	RunNo: **101136**
Prep Date: **11/8/2023**	Analysis Date: **11/13/2023**	SeqNo: **3716470** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.56	0	96.1	70	130			
Surr: BFB	2200		982.3		221	15	244			

Sample ID: **2311345-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-23 0-4'**	Batch ID: **78650**	RunNo: **101136**
Prep Date: **11/8/2023**	Analysis Date: **11/13/2023**	SeqNo: **3716471** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.9	24.56	0	94.2	70	130	2.02	20	
Surr: BFB	2100		982.3		211	15	244	0	0	

Sample ID: **lcs-78628**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78628**	RunNo: **101136**
Prep Date: **11/7/2023**	Analysis Date: **11/13/2023**	SeqNo: **3716472** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2200		1000		220	15	244			

Sample ID: **mb-78628**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78628**	RunNo: **101136**
Prep Date: **11/7/2023**	Analysis Date: **11/13/2023**	SeqNo: **3716473** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		104	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311345**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78650**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78650**	RunNo: **101136**
Prep Date: **11/8/2023**	Analysis Date: **11/13/2023**	SeqNo: **3714737** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	99.8	70	130			
Toluene	0.98	0.050	1.000	0	98.1	70	130			
Ethylbenzene	1.0	0.050	1.000	0	100	70	130			
Xylenes, Total	3.0	0.10	3.000	0	99.5	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		100	39.1	146			

Sample ID: **mb-78650**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78650**	RunNo: **101136**
Prep Date: **11/8/2023**	Analysis Date: **11/13/2023**	SeqNo: **3714738** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		100	39.1	146			

Sample ID: **2311345-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-24 0-4'**	Batch ID: **78650**	RunNo: **101136**
Prep Date: **11/8/2023**	Analysis Date: **11/13/2023**	SeqNo: **3716503** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9728	0	94.5	70	130			
Toluene	0.92	0.049	0.9728	0	94.6	70	130			
Ethylbenzene	0.94	0.049	0.9728	0	96.5	70	130			
Xylenes, Total	2.8	0.097	2.918	0	97.1	70	130			
Surr: 4-Bromofluorobenzene	0.94		0.9728		96.8	39.1	146			

Sample ID: **2311345-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-24 0-4'**	Batch ID: **78650**	RunNo: **101136**
Prep Date: **11/8/2023**	Analysis Date: **11/13/2023**	SeqNo: **3716504** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.024	0.9737	0	92.4	70	130	2.19	20	
Toluene	0.91	0.049	0.9737	0	93.5	70	130	1.05	20	
Ethylbenzene	0.92	0.049	0.9737	0	94.3	70	130	2.24	20	
Xylenes, Total	2.7	0.097	2.921	0	93.8	70	130	3.32	20	
Surr: 4-Bromofluorobenzene	0.96		0.9737		98.6	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2311345 RcptNo: 1

Received By: Tracy Casarrubias 11/8/2023 7:35:00 AM

Completed By: Tracy Casarrubias 11/8/2023 8:14:29 AM

Reviewed By: JM 11-8-23

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☑ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preserved added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ TMC 11/8/23 No ☑
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: ____ (<2 or >12 unless noted)
Adjusted? ____
Checked by: SCM 11/8/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☑ No ☐ NA ☑ TMC 11/8/23

Person Notified: Erin C. Date: 11/8/23
By Whom: Tracy Casarrubias Via: ☐ eMail ☑ Phone ☐ Fax ☐ In Person
Regarding: Name discrepancy.
Client Instructions: Mailing address, phone number and Email/Fax are missing on COC- TMC 11/13/23

16. Additional remarks: Sample labels are accurate. Changing sample names to "WS-" instead of "WES-" for samples 001A-006A. -TMC 11/8/23

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ■ Rush 72 hr

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler: Bryce Mortimer & Sally Carthar

On Ice: ☑ Yes ☐ No 4oqi

# of Coolers: 1

Cooler Temp(including CF): 2.4-0=2.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name (See checklist mmc 11/3/23)	Container Type and #	Preservative Type	HEAL No. 2311345
11-06-23	2:25	Soil	WES23-23 0-4'	4oz jar	Ice	001
	2:20		WES23-24 0-4'			002
	11:05		WES23-25 0-4'			003
	11:10		WES23-48 0-4'			004
	2:25		WES23-49 0-4'			005
	2:30		WES23-50 0-4'			006
	12:00		BS23-62 4'			007
	11:45		BS23-63 4'			008

Analysis Request: (BTEX) MTBE / TMB's (8021) | TPH:8015D GRO / DRO / MRO | 8081 Pesticides/8082 PCB's | EDB (Method 504.1) | PAHs by 8310 or 8270SIMS | RCRA 8 Metals | Cl, F, Br, NO_3, NO_2, PO_4, SO_4 | 8260 (VOA) | 8270 (Semi-VOA) | Total Coliform (Present/Absent)

Date	Time	Relinquished by	Received by	Via	Date	Time
11-06-23		Bryce Mortimer	acumming		11/1/23	1000
11/1/23	1900	acumming		Courier	11/8/23	7:35

Remarks: Ace Fluid Solutions
cc MMoffitt@vertex.ca, SCarthar@vertex.ca for Final Report

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 17, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311451

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 8 sample(s) on 11/9/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311451**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-22 0-4'
Project: Prometheus
Collection Date: 11/7/2023 9:35:00 AM
Lab ID: 2311451-001 **Matrix:** SOIL
Received Date: 11/9/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/11/2023 12:46:21 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/11/2023 12:46:21 PM
Surr: DNOP	109	69-147		%Rec	1	11/11/2023 12:46:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/14/2023 5:25:54 AM
Surr: BFB	91.2	15-244		%Rec	1	11/14/2023 5:25:54 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/14/2023 5:25:54 AM
Toluene	ND	0.048		mg/Kg	1	11/14/2023 5:25:54 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/14/2023 5:25:54 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/14/2023 5:25:54 AM
Surr: 4-Bromofluorobenzene	82.6	39.1-146		%Rec	1	11/14/2023 5:25:54 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	280	60		mg/Kg	20	11/13/2023 11:24:10 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311451**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-51 0-4'
Project: Prometheus
Collection Date: 11/7/2023 9:40:00 AM
Lab ID: 2311451-002 **Matrix:** SOIL **Received Date:** 11/9/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/11/2023 1:10:09 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/11/2023 1:10:09 PM
Surr: DNOP	106	69-147		%Rec	1	11/11/2023 1:10:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/14/2023 5:49:11 AM
Surr: BFB	83.4	15-244		%Rec	1	11/14/2023 5:49:11 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/14/2023 5:49:11 AM
Toluene	ND	0.048		mg/Kg	1	11/14/2023 5:49:11 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/14/2023 5:49:11 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/14/2023 5:49:11 AM
Surr: 4-Bromofluorobenzene	83.1	39.1-146		%Rec	1	11/14/2023 5:49:11 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	59		mg/Kg	20	11/13/2023 12:01:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311451**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-52 0-4'
Project: Prometheus
Collection Date: 11/7/2023 9:45:00 AM
Lab ID: 2311451-003 **Matrix:** SOIL **Received Date:** 11/9/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/11/2023 1:33:56 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/11/2023 1:33:56 PM
Surr: DNOP	101	69-147		%Rec	1	11/11/2023 1:33:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/14/2023 6:35:45 AM
Surr: BFB	83.3	15-244		%Rec	1	11/14/2023 6:35:45 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/14/2023 6:35:45 AM
Toluene	ND	0.050		mg/Kg	1	11/14/2023 6:35:45 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/14/2023 6:35:45 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/14/2023 6:35:45 AM
Surr: 4-Bromofluorobenzene	84.2	39.1-146		%Rec	1	11/14/2023 6:35:45 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	450	61		mg/Kg	20	11/13/2023 12:13:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311451**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-76 0-4'
Project: Prometheus
Collection Date: 11/7/2023 9:40:00 AM
Lab ID: 2311451-004 **Matrix:** SOIL **Received Date:** 11/9/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/11/2023 1:57:45 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/11/2023 1:57:45 PM
Surr: DNOP	104	69-147		%Rec	1	11/11/2023 1:57:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/14/2023 6:59:02 AM
Surr: BFB	83.9	15-244		%Rec	1	11/14/2023 6:59:02 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/14/2023 6:59:02 AM
Toluene	ND	0.046		mg/Kg	1	11/14/2023 6:59:02 AM
Ethylbenzene	ND	0.046		mg/Kg	1	11/14/2023 6:59:02 AM
Xylenes, Total	ND	0.093		mg/Kg	1	11/14/2023 6:59:02 AM
Surr: 4-Bromofluorobenzene	85.1	39.1-146		%Rec	1	11/14/2023 6:59:02 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	11/13/2023 12:26:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311451**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-57 4'
Project: Prometheus
Collection Date: 11/7/2023 1:25:00 PM
Lab ID: 2311451-005 **Matrix:** SOIL **Received Date:** 11/9/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/11/2023 2:21:36 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/11/2023 2:21:36 PM
Surr: DNOP	105	69-147		%Rec	1	11/11/2023 2:21:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/14/2023 7:22:22 AM
Surr: BFB	82.3	15-244		%Rec	1	11/14/2023 7:22:22 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/14/2023 7:22:22 AM
Toluene	ND	0.048		mg/Kg	1	11/14/2023 7:22:22 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/14/2023 7:22:22 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/14/2023 7:22:22 AM
Surr: 4-Bromofluorobenzene	83.0	39.1-146		%Rec	1	11/14/2023 7:22:22 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	290	60		mg/Kg	20	11/13/2023 1:03:25 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311451**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-58 4'
Project: Prometheus
Collection Date: 11/7/2023 1:25:00 PM
Lab ID: 2311451-006 **Matrix:** SOIL **Received Date:** 11/9/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	11/11/2023 2:45:25 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/11/2023 2:45:25 PM
Surr: DNOP	101	69-147		%Rec	1	11/11/2023 2:45:25 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/14/2023 7:45:47 AM
Surr: BFB	81.3	15-244		%Rec	1	11/14/2023 7:45:47 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/14/2023 7:45:47 AM
Toluene	ND	0.048		mg/Kg	1	11/14/2023 7:45:47 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/14/2023 7:45:47 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/14/2023 7:45:47 AM
Surr: 4-Bromofluorobenzene	83.1	39.1-146		%Rec	1	11/14/2023 7:45:47 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	330	60		mg/Kg	20	11/13/2023 1:15:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311451**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-59 4'
Project: Prometheus
Collection Date: 11/7/2023 11:00:00 AM
Lab ID: 2311451-007 **Matrix:** SOIL **Received Date:** 11/9/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/11/2023 3:09:16 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/11/2023 3:09:16 PM
Surr: DNOP	101	69-147		%Rec	1	11/11/2023 3:09:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/14/2023 8:09:11 AM
Surr: BFB	84.6	15-244		%Rec	1	11/14/2023 8:09:11 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/14/2023 8:09:11 AM
Toluene	ND	0.047		mg/Kg	1	11/14/2023 8:09:11 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/14/2023 8:09:11 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/14/2023 8:09:11 AM
Surr: 4-Bromofluorobenzene	85.5	39.1-146		%Rec	1	11/14/2023 8:09:11 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	410	59		mg/Kg	20	11/13/2023 1:28:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311451**
Date Reported: **11/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-60 4'
Project: Prometheus
Collection Date: 11/7/2023 11:00:00 AM
Lab ID: 2311451-008 **Matrix:** SOIL **Received Date:** 11/9/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/11/2023 3:33:08 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/11/2023 3:33:08 PM
Surr: DNOP	103	69-147		%Rec	1	11/11/2023 3:33:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/14/2023 8:32:36 AM
Surr: BFB	85.8	15-244		%Rec	1	11/14/2023 8:32:36 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/14/2023 8:32:36 AM
Toluene	ND	0.046		mg/Kg	1	11/14/2023 8:32:36 AM
Ethylbenzene	ND	0.046		mg/Kg	1	11/14/2023 8:32:36 AM
Xylenes, Total	ND	0.093		mg/Kg	1	11/14/2023 8:32:36 AM
Surr: 4-Bromofluorobenzene	87.8	39.1-146		%Rec	1	11/14/2023 8:32:36 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	470	60		mg/Kg	20	11/13/2023 1:40:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311451**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78743**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78743**	RunNo: **101147**
Prep Date: **11/13/2023**	Analysis Date: **11/13/2023**	SeqNo: **3715881** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78743**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78743**	RunNo: **101147**
Prep Date: **11/13/2023**	Analysis Date: **11/13/2023**	SeqNo: **3715882** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311451**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78708**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78708**	RunNo: **101132**
Prep Date: **11/10/2023**	Analysis Date: **11/10/2023**	SeqNo: **3714454** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	69	147			

Sample ID: **LCS-78708**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78708**	RunNo: **101132**
Prep Date: **11/10/2023**	Analysis Date: **11/10/2023**	SeqNo: **3714455** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.1		5.000		101	69	147			

Sample ID: **MB-78706**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78706**	RunNo: **101132**
Prep Date: **11/10/2023**	Analysis Date: **11/11/2023**	SeqNo: **3714471** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	69	147			

Sample ID: **LCS-78706**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78706**	RunNo: **101132**
Prep Date: **11/10/2023**	Analysis Date: **11/11/2023**	SeqNo: **3714472** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	61.9	130			
Surr: DNOP	4.9		5.000		99.0	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311451**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78688**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78688**	RunNo: **101130**
Prep Date: **11/9/2023**	Analysis Date: **11/13/2023**	SeqNo: **3715350** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.7	70	130			
Surr: BFB	1800		1000		176	15	244			

Sample ID: **mb-78688**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78688**	RunNo: **101130**
Prep Date: **11/9/2023**	Analysis Date: **11/14/2023**	SeqNo: **3715352** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	840		1000		84.5	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311451**

17-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78688** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **78688** RunNo: **101130**

Prep Date: **11/9/2023** Analysis Date: **11/14/2023** SeqNo: **3715395** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.8	70	130			
Toluene	0.93	0.050	1.000	0	92.7	70	130			
Ethylbenzene	0.90	0.050	1.000	0	89.8	70	130			
Xylenes, Total	2.7	0.10	3.000	0	88.8	70	130			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.1	39.1	146			

Sample ID: **mb-78688** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **78688** RunNo: **101130**

Prep Date: **11/9/2023** Analysis Date: **11/14/2023** SeqNo: **3715397** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.0	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2311451 RcptNo: 1

Received By: **Tracy Casarrubias** 11/9/2023 7:40:00 AM

Completed By: **Tracy Casarrubias** 11/9/2023 8:12:15 AM

Reviewed By: TR 11/9/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: SCM 11/9/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Mailing address, phone number, Email/Fax and time of relinquishment are missing on CO

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.9	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: On file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ■ Rush 72 hr

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler: Bryce Mortimer & Sally Carttar

On Ice: ☑ Yes ☐ No 4.0g

# of Coolers: 1

Cooler Temp(including CF): 2.8+0.1=2.9 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name		Container Type and #	Preservative Type	HEAL No. 2311451	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11.7.23	9:35	Soil	WS23-22	0-4'	4oz jar	Ice	001	✓	✓					✓			
	9:40		WS23-51	0-4'			002										
	9:45		WS23-52	0-4'			003										
	9:40		WS23-76	0-4'			004										
	1:25		BS23-57	4'			005										
	1:25		BS23-58	4'			006										
	11:00		BS23-59	4'			007										
✓	11:00	✓	BS23-60	4'	✓	✓	008	✓	✓					✓			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11.7.23		Bryce Mortimer			11/8/23	945
11/8/23	1900			courier	11/9/23	7:40

Remarks: Ace Fluid Solutions
cc MMoffitt@vertex.ca, SCarttar@vertex.ca
for Final Report

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 29, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311674

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 18 sample(s) on 11/14/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-48 4'
Project: Prometheus
Collection Date: 11/10/2023 1:00:00 PM
Lab ID: 2311674-001 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/16/2023 2:21:26 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/16/2023 2:21:26 AM
Surr: DNOP	92.8	69-147		%Rec	1	11/16/2023 2:21:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/17/2023 12:36:45 AM
Surr: BFB	95.5	15-244		%Rec	1	11/17/2023 12:36:45 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/17/2023 12:36:45 AM
Toluene	ND	0.048		mg/Kg	1	11/17/2023 12:36:45 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/17/2023 12:36:45 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/17/2023 12:36:45 AM
Surr: 4-Bromofluorobenzene	96.6	39.1-146		%Rec	1	11/17/2023 12:36:45 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1000	59		mg/Kg	20	11/16/2023 7:18:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-49 4'
Project: Prometheus
Collection Date: 11/10/2023 9:25:00 AM
Lab ID: 2311674-002 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/16/2023 2:45:38 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/16/2023 2:45:38 AM
Surr: DNOP	89.4	69-147		%Rec	1	11/16/2023 2:45:38 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 1:00:24 AM
Surr: BFB	96.2	15-244		%Rec	1	11/17/2023 1:00:24 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 1:00:24 AM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 1:00:24 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 1:00:24 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/17/2023 1:00:24 AM
Surr: 4-Bromofluorobenzene	97.8	39.1-146		%Rec	1	11/17/2023 1:00:24 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	320	60		mg/Kg	20	11/16/2023 7:55:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-50 4'
Project: Prometheus
Collection Date: 11/10/2023 9:15:00 AM
Lab ID: 2311674-003 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/16/2023 3:09:55 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/16/2023 3:09:55 AM
Surr: DNOP	96.5	69-147		%Rec	1	11/16/2023 3:09:55 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 1:47:30 AM
Surr: BFB	95.8	15-244		%Rec	1	11/17/2023 1:47:30 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 1:47:30 AM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 1:47:30 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 1:47:30 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/17/2023 1:47:30 AM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	11/17/2023 1:47:30 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	510	60		mg/Kg	20	11/16/2023 8:33:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-52 4'
Project: Prometheus
Collection Date: 11/10/2023 9:10:00 AM
Lab ID: 2311674-004 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/16/2023 3:34:07 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/16/2023 3:34:07 AM
Surr: DNOP	91.2	69-147		%Rec	1	11/16/2023 3:34:07 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 2:11:00 AM
Surr: BFB	92.8	15-244		%Rec	1	11/17/2023 2:11:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 2:11:00 AM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 2:11:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 2:11:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/17/2023 2:11:00 AM
Surr: 4-Bromofluorobenzene	93.5	39.1-146		%Rec	1	11/17/2023 2:11:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	550	60		mg/Kg	20	11/16/2023 8:45:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-15 0-4'
Project: Prometheus
Collection Date: 11/10/2023 2:25:00 PM
Lab ID: 2311674-005 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/16/2023 4:22:28 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/16/2023 4:22:28 AM
Surr: DNOP	95.2	69-147		%Rec	1	11/16/2023 4:22:28 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/17/2023 2:34:38 AM
Surr: BFB	97.7	15-244		%Rec	1	11/17/2023 2:34:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/17/2023 2:34:38 AM
Toluene	ND	0.050		mg/Kg	1	11/17/2023 2:34:38 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/17/2023 2:34:38 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/17/2023 2:34:38 AM
Surr: 4-Bromofluorobenzene	99.0	39.1-146		%Rec	1	11/17/2023 2:34:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	59		mg/Kg	20	11/16/2023 8:57:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-16 0-4'
Project: Prometheus
Collection Date: 11/10/2023 2:30:00 PM
Lab ID: 2311674-006 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/16/2023 4:46:38 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/16/2023 4:46:38 AM
Surr: DNOP	89.0	69-147		%Rec	1	11/16/2023 4:46:38 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/17/2023 2:58:12 AM
Surr: BFB	96.7	15-244		%Rec	1	11/17/2023 2:58:12 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/17/2023 2:58:12 AM
Toluene	ND	0.049		mg/Kg	1	11/17/2023 2:58:12 AM
Ethylbenzene	ND	0.049		mg/Kg	1	11/17/2023 2:58:12 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/17/2023 2:58:12 AM
Surr: 4-Bromofluorobenzene	97.8	39.1-146		%Rec	1	11/17/2023 2:58:12 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	110	60		mg/Kg	20	11/16/2023 9:10:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-17 0-4'
Project: Prometheus
Collection Date: 11/10/2023 2:35:00 PM
Lab ID: 2311674-007 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/16/2023 5:10:50 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/16/2023 5:10:50 AM
Surr: DNOP	90.0	69-147		%Rec	1	11/16/2023 5:10:50 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 3:21:49 AM
Surr: BFB	95.5	15-244		%Rec	1	11/17/2023 3:21:49 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 3:21:49 AM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 3:21:49 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 3:21:49 AM
Xylenes, Total	ND	0.093		mg/Kg	1	11/17/2023 3:21:49 AM
Surr: 4-Bromofluorobenzene	97.1	39.1-146		%Rec	1	11/17/2023 3:21:49 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	87	60		mg/Kg	20	11/16/2023 9:22:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-18 0-4'
Project: Prometheus
Collection Date: 11/10/2023 2:40:00 PM
Lab ID: 2311674-008 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/16/2023 5:35:02 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/16/2023 5:35:02 AM
Surr: DNOP	91.2	69-147		%Rec	1	11/16/2023 5:35:02 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 3:45:22 AM
Surr: BFB	93.2	15-244		%Rec	1	11/17/2023 3:45:22 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 3:45:22 AM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 3:45:22 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 3:45:22 AM
Xylenes, Total	ND	0.093		mg/Kg	1	11/17/2023 3:45:22 AM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	11/17/2023 3:45:22 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	380	59		mg/Kg	20	11/16/2023 9:35:05 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-19 0-4'
Project: Prometheus
Collection Date: 11/10/2023 1:05:00 PM
Lab ID: 2311674-009 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/16/2023 5:59:36 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/16/2023 5:59:36 AM
Surr: DNOP	93.3	69-147		%Rec	1	11/16/2023 5:59:36 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/17/2023 4:08:55 AM
Surr: BFB	94.1	15-244		%Rec	1	11/17/2023 4:08:55 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/17/2023 4:08:55 AM
Toluene	ND	0.050		mg/Kg	1	11/17/2023 4:08:55 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/17/2023 4:08:55 AM
Xylenes, Total	ND	0.10		mg/Kg	1	11/17/2023 4:08:55 AM
Surr: 4-Bromofluorobenzene	94.4	39.1-146		%Rec	1	11/17/2023 4:08:55 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	170	60		mg/Kg	20	11/16/2023 9:47:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-20 0-4'
Project: Prometheus
Collection Date: 11/10/2023 9:15:00 AM
Lab ID: 2311674-010 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/16/2023 6:24:06 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/16/2023 6:24:06 AM
Surr: DNOP	93.1	69-147		%Rec	1	11/16/2023 6:24:06 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/17/2023 4:32:28 AM
Surr: BFB	95.2	15-244		%Rec	1	11/17/2023 4:32:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	11/17/2023 4:32:28 AM
Toluene	ND	0.048		mg/Kg	1	11/17/2023 4:32:28 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/17/2023 4:32:28 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/17/2023 4:32:28 AM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	11/17/2023 4:32:28 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1200	60		mg/Kg	20	11/16/2023 9:59:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-54 0-4'
Project: Prometheus
Collection Date: 11/10/2023 9:20:00 AM
Lab ID: 2311674-011 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/16/2023 6:48:39 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/16/2023 6:48:39 AM
Surr: DNOP	88.3	69-147		%Rec	1	11/16/2023 6:48:39 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/17/2023 4:56:00 AM
Surr: BFB	95.3	15-244		%Rec	1	11/17/2023 4:56:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	11/17/2023 4:56:00 AM
Toluene	ND	0.050		mg/Kg	1	11/17/2023 4:56:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	11/17/2023 4:56:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	11/17/2023 4:56:00 AM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	11/17/2023 4:56:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	530	60		mg/Kg	20	11/16/2023 10:12:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-56 0-4'
Project: Prometheus
Collection Date: 11/10/2023 1:00:00 PM
Lab ID: 2311674-012 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	11/16/2023 7:13:07 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/16/2023 7:13:07 AM
Surr: DNOP	91.0	69-147		%Rec	1	11/16/2023 7:13:07 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 5:19:31 AM
Surr: BFB	98.6	15-244		%Rec	1	11/17/2023 5:19:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 5:19:31 AM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 5:19:31 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 5:19:31 AM
Xylenes, Total	ND	0.093		mg/Kg	1	11/17/2023 5:19:31 AM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	11/17/2023 5:19:31 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	510	60		mg/Kg	20	11/16/2023 10:24:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-57 0-4'
Project: Prometheus
Collection Date: 11/10/2023 1:05:00 PM
Lab ID: 2311674-013 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/16/2023 7:37:40 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/16/2023 7:37:40 AM
Surr: DNOP	90.6	69-147		%Rec	1	11/16/2023 7:37:40 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/17/2023 6:06:33 AM
Surr: BFB	98.2	15-244		%Rec	1	11/17/2023 6:06:33 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 6:06:33 AM
Toluene	ND	0.046		mg/Kg	1	11/17/2023 6:06:33 AM
Ethylbenzene	ND	0.046		mg/Kg	1	11/17/2023 6:06:33 AM
Xylenes, Total	ND	0.093		mg/Kg	1	11/17/2023 6:06:33 AM
Surr: 4-Bromofluorobenzene	99.8	39.1-146		%Rec	1	11/17/2023 6:06:33 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	65	60		mg/Kg	20	11/16/2023 11:01:58 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-58 0-4'
Project: Prometheus
Collection Date: 11/10/2023 1:10:00 PM
Lab ID: 2311674-014 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/16/2023 8:02:04 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/16/2023 8:02:04 AM
Surr: DNOP	89.7	69-147		%Rec	1	11/16/2023 8:02:04 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 6:30:04 AM
Surr: BFB	96.5	15-244		%Rec	1	11/17/2023 6:30:04 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 6:30:04 AM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 6:30:04 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 6:30:04 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/17/2023 6:30:04 AM
Surr: 4-Bromofluorobenzene	97.2	39.1-146		%Rec	1	11/17/2023 6:30:04 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	11/16/2023 11:14:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-60 0-4'
Project: Prometheus
Collection Date: 11/10/2023 2:25:00 PM
Lab ID: 2311674-015 **Matrix:** SOIL **Received Date:** 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/16/2023 8:26:35 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/16/2023 8:26:35 AM
Surr: DNOP	95.4	69-147		%Rec	1	11/16/2023 8:26:35 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 6:53:35 AM
Surr: BFB	96.3	15-244		%Rec	1	11/17/2023 6:53:35 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 6:53:35 AM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 6:53:35 AM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 6:53:35 AM
Xylenes, Total	ND	0.094		mg/Kg	1	11/17/2023 6:53:35 AM
Surr: 4-Bromofluorobenzene	98.3	39.1-146		%Rec	1	11/17/2023 6:53:35 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	130	60		mg/Kg	20	11/16/2023 11:26:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-77 0-4'
Project: Prometheus
Collection Date: 11/10/2023 11:00:00 AM
Lab ID: 2311674-016 **Matrix:** SOIL
Received Date: 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	11/16/2023 7:22:51 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/16/2023 7:22:51 PM
Surr: DNOP	95.4	69-147		%Rec	1	11/16/2023 7:22:51 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/17/2023 2:43:00 PM
Surr: BFB	103	15-244		%Rec	1	11/17/2023 2:43:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/17/2023 2:43:00 PM
Toluene	ND	0.048		mg/Kg	1	11/17/2023 2:43:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/17/2023 2:43:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/17/2023 2:43:00 PM
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	11/17/2023 2:43:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	70	60		mg/Kg	20	11/16/2023 11:39:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-79 0-4'
Project: Prometheus
Collection Date: 11/10/2023 11:00:00 AM
Lab ID: 2311674-017 **Matrix:** SOIL
Received Date: 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	11/16/2023 7:33:31 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/16/2023 7:33:31 PM
Surr: DNOP	121	69-147		%Rec	1	11/16/2023 7:33:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/17/2023 3:04:00 PM
Surr: BFB	105	15-244		%Rec	1	11/17/2023 3:04:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/17/2023 3:04:00 PM
Toluene	ND	0.049		mg/Kg	1	11/17/2023 3:04:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/17/2023 3:04:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/17/2023 3:04:00 PM
Surr: 4-Bromofluorobenzene	99.3	39.1-146		%Rec	1	11/17/2023 3:04:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1000	60		mg/Kg	20	11/16/2023 11:51:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311674**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-80 0-4'
Project: Prometheus
Collection Date: 11/10/2023 11:40:00 AM
Lab ID: 2311674-018 **Matrix:** SOIL
Received Date: 11/14/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/16/2023 7:44:11 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/16/2023 7:44:11 PM
Surr: DNOP	133	69-147		%Rec	1	11/16/2023 7:44:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/17/2023 3:26:00 PM
Surr: BFB	104	15-244		%Rec	1	11/17/2023 3:26:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/17/2023 3:26:00 PM
Toluene	ND	0.048		mg/Kg	1	11/17/2023 3:26:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/17/2023 3:26:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/17/2023 3:26:00 PM
Surr: 4-Bromofluorobenzene	99.3	39.1-146		%Rec	1	11/17/2023 3:26:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	210	60		mg/Kg	20	11/17/2023 12:04:01 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311674**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78844**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **78844**	RunNo: **101241**
Prep Date: **11/16/2023**	Analysis Date: **11/16/2023**	SeqNo: **3723320** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78844**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **78844**	RunNo: **101241**
Prep Date: **11/16/2023**	Analysis Date: **11/16/2023**	SeqNo: **3723321** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.4	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311674**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78785**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78785**	RunNo: **101178**
Prep Date: **11/14/2023**	Analysis Date: **11/15/2023**	SeqNo: **3720894** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	69	147			

Sample ID: **LCS-78785**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78785**	RunNo: **101178**
Prep Date: **11/14/2023**	Analysis Date: **11/15/2023**	SeqNo: **3720895** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	61.9	130			
Surr: DNOP	4.7		5.000		94.7	69	147			

Sample ID: **2311674-015AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-60 0-4'**	Batch ID: **78785**	RunNo: **101178**
Prep Date: **11/14/2023**	Analysis Date: **11/16/2023**	SeqNo: **3720919** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	9.7	48.69	0	97.3	54.2	135			
Surr: DNOP	4.0		4.869		82.7	69	147			

Sample ID: **2311674-015AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-60 0-4'**	Batch ID: **78785**	RunNo: **101178**
Prep Date: **11/14/2023**	Analysis Date: **11/16/2023**	SeqNo: **3720920** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.6	47.89	0	99.7	54.2	135	0.774	29.2	
Surr: DNOP	4.1		4.789		84.6	69	147	0	0	

Sample ID: **LCS-78823**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78823**	RunNo: **101250**
Prep Date: **11/15/2023**	Analysis Date: **11/16/2023**	SeqNo: **3722305** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.3	61.9	130			
Surr: DNOP	4.7		5.000		93.8	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311674**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78823**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78823**	RunNo: **101250**
Prep Date: **11/15/2023**	Analysis Date: **11/16/2023**	SeqNo: **3722307** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311674**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78779**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78779**	RunNo: **101227**
Prep Date: **11/14/2023**	Analysis Date: **11/16/2023**	SeqNo: **3722433** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.4	70	130			
Surr: BFB	2000		1000		196	15	244			

Sample ID: **mb-78779**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78779**	RunNo: **101227**
Prep Date: **11/14/2023**	Analysis Date: **11/16/2023**	SeqNo: **3722434** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.4	15	244			

Sample ID: **lcs-78810**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725421** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.4	70	130			
Surr: BFB	2200		1000		219	15	244			

Sample ID: **mb-78810**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725422** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	15	244			

Sample ID: **2311674-016ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-77 0-4'**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725426** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.7	23.74	0	100	70	130			
Surr: BFB	2100		949.7		225	15	244			

Sample ID: **2311674-016amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-77 0-4'**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725427** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311674**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311674-016amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-77 0-4'**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725427** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.7	23.72	0	97.4	70	130	3.21	20	
Surr: BFB	2200		948.8		235	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311674**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78779**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78779**	RunNo: **101227**
Prep Date: **11/14/2023**	Analysis Date: **11/16/2023**	SeqNo: **3722469** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.5	70	130			
Toluene	0.96	0.050	1.000	0	96.4	70	130			
Ethylbenzene	0.95	0.050	1.000	0	94.8	70	130			
Xylenes, Total	2.8	0.10	3.000	0	94.5	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **mb-78779**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78779**	RunNo: **101227**
Prep Date: **11/14/2023**	Analysis Date: **11/16/2023**	SeqNo: **3722470** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **lcs-78810**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725929** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.8	70	130			
Toluene	0.93	0.050	1.000	0	93.4	70	130			
Ethylbenzene	0.95	0.050	1.000	0	94.7	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.9	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.6	39.1	146			

Sample ID: **mb-78810**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725930** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.6	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311674**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311674-017ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-79 0-4'**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725934** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.024	0.9785	0	93.0	70	130			
Toluene	0.92	0.049	0.9785	0	94.3	70	130			
Ethylbenzene	0.96	0.049	0.9785	0	97.6	70	130			
Xylenes, Total	2.8	0.098	2.935	0	97.0	70	130			
Surr: 4-Bromofluorobenzene	1.0		0.9785		104	39.1	146			

Sample ID: **2311674-017amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-79 0-4'**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725935** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	0.9901	0	88.8	70	130	3.40	20	
Toluene	0.89	0.050	0.9901	0	90.0	70	130	3.39	20	
Ethylbenzene	0.92	0.050	0.9901	0	93.1	70	130	3.57	20	
Xylenes, Total	2.8	0.099	2.970	0	92.7	70	130	3.32	20	
Surr: 4-Bromofluorobenzene	1.0		0.9901		104	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2311674 | RcptNo: 1

Received By: Juan Rojas 11/14/2023 7:40:00 AM

Completed By: Tracy Casarrubias 11/14/2023 8:08:55 AM

Reviewed By: TMC 11/14/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: / (<2 or >12 unless noted)

Adjusted?

Checked by: SCM 11/14/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 11/14/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good	Yes	Morty		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 72 hr

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler: SPC

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Marty

Cooler Temp (Including CF): 0.8+0.1=0.7 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311674	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/10/23	1300	soil	BS23-48 4'	4oz jar	ice	001	✓	✓					✓			
	0925		BS23-49 4'			002										
	0915		BS23-50 4'			003										
	0910		BS23-52 4'			004										
	1425		WS23-15 0-4'			005										
	1430		WS23-16 0-4'			006										
	1435		WS23-17 0-4'			007										
	1440		WS23-18 0-4'			008										
	1305		WS23-19 0-4'			009										
	0915		WS23-20 0-4'			010										
	0920		WS23-54 0-4'			011										
	1300		WS23-56 0-4'			012										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11/11/23	1130	Sally Carthar			11/13/23	1080
11/13/23	1900			courier	11/14/23	740

Remarks: Ace Fluids page 1/2

cc mmoffitt@vertex.ca, scarthar@vertex.ca for final report

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 72 hour

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler: SPC

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Morty

Cooler Temp(including CF): 0.8-0.1=0.7 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311674	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/10/23	1305	Soil	WS23-57 0-4'	4oz jar	ice	013	✓	✓					✓			
	1310		WS23-58 0-4'			014										
	1425		WS23-60 0-4'			015										
	1100		WS23-77 0-4'			016										
	1100		WS23-79 0-4'			017										
	1140		WS23-80 0-4'			018										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/11/23	1130	Sally Carttar			11/13/23	1030
11/13/23	1540			courier	11/14/23	7:40

Remarks: Ace Fluids page 2/2

cc mmoffitt@vertex.ca, scarttar@vertex.ca for final report

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 29, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311735

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 8 sample(s) on 11/15/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311735**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-81 0-4'
Project: Prometheus **Collection Date:** 11/13/2023 1:05:00 PM
Lab ID: 2311735-001 **Matrix:** SOIL **Received Date:** 11/15/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/16/2023 7:54:49 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/16/2023 7:54:49 PM
Surr: DNOP	93.3	69-147		%Rec	1	11/16/2023 7:54:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 5:15:00 PM
Surr: BFB	114	15-244		%Rec	1	11/17/2023 5:15:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/17/2023 5:15:00 PM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 5:15:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 5:15:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/17/2023 5:15:00 PM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	11/17/2023 5:15:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	110	60		mg/Kg	20	11/17/2023 6:18:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311735**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-82 0-4'
Project: Prometheus
Collection Date: 11/13/2023 1:10:00 PM
Lab ID: 2311735-002 **Matrix:** SOIL **Received Date:** 11/15/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/16/2023 8:05:27 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/16/2023 8:05:27 PM
Surr: DNOP	91.0	69-147		%Rec	1	11/16/2023 8:05:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 5:38:00 PM
Surr: BFB	110	15-244		%Rec	1	11/17/2023 5:38:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 5:38:00 PM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 5:38:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 5:38:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	11/17/2023 5:38:00 PM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	11/17/2023 5:38:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	11/17/2023 6:33:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311735**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-41 4'
Project: Prometheus
Collection Date: 11/13/2023 2:25:00 PM
Lab ID: 2311735-003 **Matrix:** SOIL **Received Date:** 11/15/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/16/2023 8:16:04 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/16/2023 8:16:04 PM
Surr: DNOP	91.2	69-147		%Rec	1	11/16/2023 8:16:04 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/17/2023 6:00:00 PM
Surr: BFB	113	15-244		%Rec	1	11/17/2023 6:00:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/17/2023 6:00:00 PM
Toluene	ND	0.048		mg/Kg	1	11/17/2023 6:00:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/17/2023 6:00:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/17/2023 6:00:00 PM
Surr: 4-Bromofluorobenzene	108	39.1-146		%Rec	1	11/17/2023 6:00:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	410	60		mg/Kg	20	11/17/2023 6:48:29 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311735**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-42 4'
Project: Prometheus
Collection Date: 11/13/2023 2:20:00 PM
Lab ID: 2311735-004 **Matrix:** SOIL **Received Date:** 11/15/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	11/16/2023 8:26:41 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/16/2023 8:26:41 PM
Surr: DNOP	93.6	69-147		%Rec	1	11/16/2023 8:26:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/17/2023 6:22:00 PM
Surr: BFB	117	15-244		%Rec	1	11/17/2023 6:22:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/17/2023 6:22:00 PM
Toluene	ND	0.049		mg/Kg	1	11/17/2023 6:22:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/17/2023 6:22:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/17/2023 6:22:00 PM
Surr: 4-Bromofluorobenzene	112	39.1-146		%Rec	1	11/17/2023 6:22:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	300	60		mg/Kg	20	11/17/2023 7:18:43 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311735**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-45 4'
Project: Prometheus
Collection Date: 11/13/2023 2:20:00 PM
Lab ID: 2311735-005 **Matrix:** SOIL **Received Date:** 11/15/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/16/2023 8:37:17 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/16/2023 8:37:17 PM
Surr: DNOP	90.8	69-147		%Rec	1	11/16/2023 8:37:17 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 6:44:00 PM
Surr: BFB	114	15-244		%Rec	1	11/17/2023 6:44:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	11/17/2023 6:44:00 PM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 6:44:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 6:44:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/17/2023 6:44:00 PM
Surr: 4-Bromofluorobenzene	112	39.1-146		%Rec	1	11/17/2023 6:44:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	490	61		mg/Kg	20	11/17/2023 7:31:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311735**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-46 4'
Project: Prometheus
Collection Date: 11/13/2023 2:15:00 PM
Lab ID: 2311735-006 **Matrix:** SOIL **Received Date:** 11/15/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	11/16/2023 8:47:56 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/16/2023 8:47:56 PM
Surr: DNOP	93.1	69-147		%Rec	1	11/16/2023 8:47:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/17/2023 7:28:00 PM
Surr: BFB	111	15-244		%Rec	1	11/17/2023 7:28:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/17/2023 7:28:00 PM
Toluene	ND	0.049		mg/Kg	1	11/17/2023 7:28:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/17/2023 7:28:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	11/17/2023 7:28:00 PM
Surr: 4-Bromofluorobenzene	108	39.1-146		%Rec	1	11/17/2023 7:28:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	720	60		mg/Kg	20	11/17/2023 8:08:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311735**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-47 4'
Project: Prometheus
Collection Date: 11/13/2023 2:15:00 PM
Lab ID: 2311735-007 **Matrix:** SOIL **Received Date:** 11/15/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/16/2023 8:58:33 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/16/2023 8:58:33 PM
Surr: DNOP	89.7	69-147		%Rec	1	11/16/2023 8:58:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/17/2023 7:51:00 PM
Surr: BFB	112	15-244		%Rec	1	11/17/2023 7:51:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/17/2023 7:51:00 PM
Toluene	ND	0.049		mg/Kg	1	11/17/2023 7:51:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/17/2023 7:51:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/17/2023 7:51:00 PM
Surr: 4-Bromofluorobenzene	106	39.1-146		%Rec	1	11/17/2023 7:51:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	410	60		mg/Kg	20	11/17/2023 8:20:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311735**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-51 4'
Project: Prometheus
Collection Date: 11/13/2023 12:50:00 PM
Lab ID: 2311735-008 **Matrix:** SOIL **Received Date:** 11/15/2023 7:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/16/2023 9:09:09 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/16/2023 9:09:09 PM
Surr: DNOP	105	69-147		%Rec	1	11/16/2023 9:09:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/17/2023 8:13:00 PM
Surr: BFB	110	15-244		%Rec	1	11/17/2023 8:13:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/17/2023 8:13:00 PM
Toluene	ND	0.047		mg/Kg	1	11/17/2023 8:13:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/17/2023 8:13:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/17/2023 8:13:00 PM
Surr: 4-Bromofluorobenzene	105	39.1-146		%Rec	1	11/17/2023 8:13:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	390	60		mg/Kg	20	11/17/2023 8:33:10 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311735**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78867**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **78867**	RunNo: **101284**							
Prep Date: **11/17/2023**	Analysis Date: **11/17/2023**	SeqNo: **3724727**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78867**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **78867**	RunNo: **101284**							
Prep Date: **11/17/2023**	Analysis Date: **11/17/2023**	SeqNo: **3724728**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Sample ID: **MB-78869**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **78869**	RunNo: **101286**							
Prep Date: **11/17/2023**	Analysis Date: **11/17/2023**	SeqNo: **3724875**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78869**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **78869**	RunNo: **101286**							
Prep Date: **11/17/2023**	Analysis Date: **11/17/2023**	SeqNo: **3724876**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311735**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-78823**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78823**	RunNo: **101250**
Prep Date: **11/15/2023**	Analysis Date: **11/16/2023**	SeqNo: **3722305** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.3	61.9	130			
Surr: DNOP	4.7		5.000		93.8	69	147			

Sample ID: **MB-78823**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78823**	RunNo: **101250**
Prep Date: **11/15/2023**	Analysis Date: **11/16/2023**	SeqNo: **3722307** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311735**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78810**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725421** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.4	70	130			
Surr: BFB	2200		1000		219	15	244			

Sample ID: **mb-78810**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725422** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311735**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78810**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725929** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.8	70	130			
Toluene	0.93	0.050	1.000	0	93.4	70	130			
Ethylbenzene	0.95	0.050	1.000	0	94.7	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.9	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.6	39.1	146			

Sample ID: **mb-78810**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78810**	RunNo: **101297**
Prep Date: **11/15/2023**	Analysis Date: **11/17/2023**	SeqNo: **3725930** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.6	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2311735 RcptNo: 1

Received By: Juan Rojas 11/15/2023 7:30:00 AM

Completed By: Tracy Casarrubias 11/15/2023 7:36:18 AM

Reviewed By: SCM 11/15/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: TM 11/15/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☐	No ☐	NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 11/15/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.1	Good	Yes	Morty		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 72 hr

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler: SPC

On Ice: ☑ Yes ☐ No

# of Coolers: 1 Mary

Cooler Temp(Including CF): 2.0+0.1=2.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311735	(BTEX) / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl), F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/13/23	1305	Soil	WS23-81 0-4'	4oz jar	ice	001	✓	✓					✓			
	1310	Soil	WS23-82 0-4'			002										
	1425		BS23-41 4'			003										
	1420		BS23-42 4'			004										
	1420		BS23-45 4'			005										
	1415		BS23-46 4'			006										
	1415		BS23-47 4'			007										
	1250		BS23-51 4'			008										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/14/23	0715	Sally Carttar			11/14/23	0715
11/14/23	1900			courier	11/15/23	7:30

Remarks:
Ace Fluids
cc mmoffitt@vertex.ca, scarttar@vertex.ca final report

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Received by OCD: 6/10/2025 11:01:29 AM

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

November 29, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311922

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 7 sample(s) on 11/17/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311922**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-110 4'
Project: Prometheus
Collection Date: 11/14/2023 11:25:00 AM
Lab ID: 2311922-001 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	11/20/2023 12:47:59 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	11/20/2023 12:47:59 PM
Surr: DNOP	104	69-147		%Rec	1	11/20/2023 12:47:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/21/2023 11:27:00 AM
Surr: BFB	101	15-244		%Rec	1	11/21/2023 11:27:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 11:27:00 AM
Toluene	ND	0.048		mg/Kg	1	11/21/2023 11:27:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	11/21/2023 11:27:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	11/21/2023 11:27:00 AM
Surr: 4-Bromofluorobenzene	97.6	39.1-146		%Rec	1	11/21/2023 11:27:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1100	60		mg/Kg	20	11/20/2023 6:28:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311922**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-111 4'
Project: Prometheus
Collection Date: 11/14/2023 11:40:00 AM
Lab ID: 2311922-002 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	11/20/2023 1:11:41 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	11/20/2023 1:11:41 PM
Surr: DNOP	107	69-147		%Rec	1	11/20/2023 1:11:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/21/2023 12:32:00 PM
Surr: BFB	107	15-244		%Rec	1	11/21/2023 12:32:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 12:32:00 PM
Toluene	ND	0.048		mg/Kg	1	11/21/2023 12:32:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/21/2023 12:32:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/21/2023 12:32:00 PM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	11/21/2023 12:32:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	180	60		mg/Kg	20	11/20/2023 3:55:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311922**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-83 4'
Project: Prometheus
Collection Date: 11/14/2023 11:05:00 AM
Lab ID: 2311922-003 **Matrix:** SOIL
Received Date: 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	11/20/2023 4:44:35 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	11/20/2023 4:44:35 PM
Surr: DNOP	103	69-147		%Rec	1	11/20/2023 4:44:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/21/2023 1:37:00 PM
Surr: BFB	97.8	15-244		%Rec	1	11/21/2023 1:37:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	11/21/2023 1:37:00 PM
Toluene	ND	0.047		mg/Kg	1	11/21/2023 1:37:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/21/2023 1:37:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/21/2023 1:37:00 PM
Surr: 4-Bromofluorobenzene	93.2	39.1-146		%Rec	1	11/21/2023 1:37:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	600	60		mg/Kg	20	11/20/2023 4:07:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311922**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-84 4'
Project: Prometheus
Collection Date: 11/14/2023 11:20:00 AM
Lab ID: 2311922-004 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/20/2023 5:08:08 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/20/2023 5:08:08 PM
Surr: DNOP	96.3	69-147		%Rec	1	11/20/2023 5:08:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/21/2023 1:59:00 PM
Surr: BFB	97.9	15-244		%Rec	1	11/21/2023 1:59:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 1:59:00 PM
Toluene	ND	0.047		mg/Kg	1	11/21/2023 1:59:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/21/2023 1:59:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/21/2023 1:59:00 PM
Surr: 4-Bromofluorobenzene	95.2	39.1-146		%Rec	1	11/21/2023 1:59:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	230	60		mg/Kg	20	11/20/2023 4:20:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311922**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-85 4'
Project: Prometheus
Collection Date: 11/14/2023 11:45:00 AM
Lab ID: 2311922-005 **Matrix:** SOIL
Received Date: 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	11/20/2023 5:31:38 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/20/2023 5:31:38 PM
Surr: DNOP	97.3	69-147		%Rec	1	11/20/2023 5:31:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	11/21/2023 2:20:00 PM
Surr: BFB	100	15-244		%Rec	1	11/21/2023 2:20:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 2:20:00 PM
Toluene	ND	0.048		mg/Kg	1	11/21/2023 2:20:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	11/21/2023 2:20:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	11/21/2023 2:20:00 PM
Surr: 4-Bromofluorobenzene	93.7	39.1-146		%Rec	1	11/21/2023 2:20:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	120	60		mg/Kg	20	11/20/2023 4:32:34 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311922**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-86 4'
Project: Prometheus
Collection Date: 11/14/2023 11:50:00 AM
Lab ID: 2311922-006 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	11/20/2023 5:55:10 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	11/20/2023 5:55:10 PM
Surr: DNOP	97.0	69-147		%Rec	1	11/20/2023 5:55:10 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/21/2023 2:42:00 PM
Surr: BFB	100	15-244		%Rec	1	11/21/2023 2:42:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 2:42:00 PM
Toluene	ND	0.047		mg/Kg	1	11/21/2023 2:42:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/21/2023 2:42:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/21/2023 2:42:00 PM
Surr: 4-Bromofluorobenzene	94.0	39.1-146		%Rec	1	11/21/2023 2:42:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	210	60		mg/Kg	20	11/20/2023 4:44:58 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311922**
Date Reported: **11/29/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-87 4'
Project: Prometheus
Collection Date: 11/14/2023 11:55:00 AM
Lab ID: 2311922-007 **Matrix:** SOIL **Received Date:** 11/17/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	11/20/2023 6:18:41 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/20/2023 6:18:41 PM
Surr: DNOP	98.4	69-147		%Rec	1	11/20/2023 6:18:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/21/2023 3:04:00 PM
Surr: BFB	106	15-244		%Rec	1	11/21/2023 3:04:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/21/2023 3:04:00 PM
Toluene	ND	0.049		mg/Kg	1	11/21/2023 3:04:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/21/2023 3:04:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	11/21/2023 3:04:00 PM
Surr: 4-Bromofluorobenzene	98.5	39.1-146		%Rec	1	11/21/2023 3:04:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **JMT**
Chloride	240	60		mg/Kg	20	11/20/2023 4:57:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311922**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78901**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **78901**	RunNo: **101327**							
Prep Date: **11/20/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727253**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78901**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **78901**	RunNo: **101327**							
Prep Date: **11/20/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727254**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.9	90	110			

Sample ID: **MB-78898**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **78898**	RunNo: **101333**							
Prep Date: **11/20/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727442**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-78898**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **78898**	RunNo: **101333**							
Prep Date: **11/20/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727443**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311922**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-78885**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **78885**	RunNo: **101343**
Prep Date: **11/17/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727650** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	69	147			

Sample ID: **LCS-78885**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **78885**	RunNo: **101343**
Prep Date: **11/17/2023**	Analysis Date: **11/20/2023**	SeqNo: **3727651** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	61.9	130			
Surr: DNOP	4.7		5.000		94.8	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311922**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78878**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730403** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	70	130			
Surr: BFB	2200		1000		224	15	244			

Sample ID: **mb-78878**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730404** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	15	244			

Sample ID: **2311922-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-110 4'**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730406** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	23.90	0	94.8	70	130			
Surr: BFB	2000		956.0		212	15	244			

Sample ID: **2311922-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-110 4'**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730407** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	24.04	0	93.4	70	130	0.998	20	
Surr: BFB	2100		961.5		220	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311922**

29-Nov-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-78878**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730446** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	70	130			
Toluene	0.98	0.050	1.000	0	97.8	70	130			
Ethylbenzene	0.98	0.050	1.000	0	98.2	70	130			
Xylenes, Total	3.0	0.10	3.000	0	98.5	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.2	39.1	146			

Sample ID: **mb-78878**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730447** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	39.1	146			

Sample ID: **2311922-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-111 4'**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730450** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9551	0	92.6	70	130			
Toluene	0.88	0.048	0.9551	0	92.1	70	130			
Ethylbenzene	0.91	0.048	0.9551	0	95.0	70	130			
Xylenes, Total	2.7	0.096	2.865	0	94.2	70	130			
Surr: 4-Bromofluorobenzene	0.91		0.9551		95.4	39.1	146			

Sample ID: **2311922-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-111 4'**	Batch ID: **78878**	RunNo: **101392**
Prep Date: **11/17/2023**	Analysis Date: **11/21/2023**	SeqNo: **3730451** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9542	0	91.4	70	130	1.42	20	
Toluene	0.87	0.048	0.9542	0	91.0	70	130	1.30	20	
Ethylbenzene	0.88	0.048	0.9542	0	92.6	70	130	2.68	20	
Xylenes, Total	2.6	0.095	2.863	0	92.2	70	130	2.20	20	
Surr: 4-Bromofluorobenzene	0.89		0.9542		93.6	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2311922 RcptNo: 1

Received By: **Tracy Casarrubias** 11/17/2023 7:45:00 AM

Completed By: **Tracy Casarrubias** 11/17/2023 8:16:48 AM

Reviewed By: JN 11/17/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑ TMC 11/17/23	No ☑	# of preserved bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by: SCM 11/17/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?	Yes ☑	No ☐	NA ☑ TMC 11/17/23

Person Notified: Erin C. Date: 11/17/23

By Whom: Tracy Casarrubias Via: ☐ eMail ☑ Phone ☐ Fax ☐ In Person

Regarding: Name discrepancy.

Client Instructions: Mailing address, phone number, and Email/Fax are missing on COC- TMC 11/17/23

16. Additional remarks: Moving forward with COC per E.C. - TMC 11/17/23

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.8	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 72 hour

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler: SPC

On Ice: ☑ Yes ☐ No 40gj

# of Coolers: 1

Cooler Temp(including CF): 2.8-0=2.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311922	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/14/23	1125	Soil	BS23-110 4'	4oz jar	ice	001	✓	✓					✓			
	1140		BS23-111 4'			002										
	1105		WS23-83 4'			003										
	1120		WS23-84 4'			004										
	1145		WS23-85 4'			005										
	1150		WS23-86 4'			006										
	1155		WS23-87 4'			007										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/14/23	1642	Brenda Almanza			11/15/23	900
11/15/23	900			Courier	11/17/23	7:45

Remarks:
Ace Fluids
cc mmoffitt@vertex.ca, scarttar@vertex.ca
final reports

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 08, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2312011

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 24 sample(s) on 12/1/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-25 0-4'
Project: Prometheus
Collection Date: 11/29/2023 10:15:00 AM
Lab ID: 2312011-001 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/4/2023 1:06:24 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/4/2023 1:06:24 PM
Surr: DNOP	90.8	69-147		%Rec	1	12/4/2023 1:06:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/4/2023 2:24:30 PM
Surr: BFB	88.4	15-244		%Rec	1	12/4/2023 2:24:30 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/4/2023 2:24:30 PM
Toluene	ND	0.046		mg/Kg	1	12/4/2023 2:24:30 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/4/2023 2:24:30 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/4/2023 2:24:30 PM
Surr: 4-Bromofluorobenzene	92.5	39.1-146		%Rec	1	12/4/2023 2:24:30 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	240	60		mg/Kg	20	12/5/2023 1:40:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-109 0-4'
Project: Prometheus
Collection Date: 11/29/2023 10:00:00 AM
Lab ID: 2312011-002 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/4/2023 1:16:59 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/4/2023 1:16:59 PM
Surr: DNOP	88.1	69-147		%Rec	1	12/4/2023 1:16:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/4/2023 2:48:03 PM
Surr: BFB	90.1	15-244		%Rec	1	12/4/2023 2:48:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/4/2023 2:48:03 PM
Toluene	ND	0.046		mg/Kg	1	12/4/2023 2:48:03 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/4/2023 2:48:03 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/4/2023 2:48:03 PM
Surr: 4-Bromofluorobenzene	94.7	39.1-146		%Rec	1	12/4/2023 2:48:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	97	60		mg/Kg	20	12/5/2023 1:56:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-110 0-4'
Project: Prometheus
Collection Date: 11/29/2023 10:05:00 AM
Lab ID: 2312011-003 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/4/2023 1:27:37 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/4/2023 1:27:37 PM
Surr: DNOP	94.4	69-147		%Rec	1	12/4/2023 1:27:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/4/2023 3:11:33 PM
Surr: BFB	92.2	15-244		%Rec	1	12/4/2023 3:11:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 3:11:33 PM
Toluene	ND	0.048		mg/Kg	1	12/4/2023 3:11:33 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/4/2023 3:11:33 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/4/2023 3:11:33 PM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	12/4/2023 3:11:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	65	60		mg/Kg	20	12/5/2023 2:11:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-111 0-4'
Project: Prometheus
Collection Date: 11/29/2023 10:10:00 AM
Lab ID: 2312011-004 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/4/2023 1:38:16 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/4/2023 1:38:16 PM
Surr: DNOP	89.7	69-147		%Rec	1	12/4/2023 1:38:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/4/2023 3:35:03 PM
Surr: BFB	90.5	15-244		%Rec	1	12/4/2023 3:35:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 3:35:03 PM
Toluene	ND	0.049		mg/Kg	1	12/4/2023 3:35:03 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/4/2023 3:35:03 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/4/2023 3:35:03 PM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	12/4/2023 3:35:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/5/2023 2:26:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-112 0-4'
Project: Prometheus
Collection Date: 11/29/2023 10:20:00 AM
Lab ID: 2312011-005 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/4/2023 1:48:55 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/4/2023 1:48:55 PM
Surr: DNOP	89.1	69-147		%Rec	1	12/4/2023 1:48:55 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/4/2023 3:58:33 PM
Surr: BFB	91.9	15-244		%Rec	1	12/4/2023 3:58:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 3:58:33 PM
Toluene	ND	0.047		mg/Kg	1	12/4/2023 3:58:33 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/4/2023 3:58:33 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/4/2023 3:58:33 PM
Surr: 4-Bromofluorobenzene	95.8	39.1-146		%Rec	1	12/4/2023 3:58:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	64	60		mg/Kg	20	12/5/2023 2:41:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-113 0-4'
Project: Prometheus
Collection Date: 11/29/2023 10:25:00 AM
Lab ID: 2312011-006 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/4/2023 1:59:36 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/4/2023 1:59:36 PM
Surr: DNOP	91.4	69-147		%Rec	1	12/4/2023 1:59:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/4/2023 4:45:32 PM
Surr: BFB	90.6	15-244		%Rec	1	12/4/2023 4:45:32 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/4/2023 4:45:32 PM
Toluene	ND	0.047		mg/Kg	1	12/4/2023 4:45:32 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/4/2023 4:45:32 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/4/2023 4:45:32 PM
Surr: 4-Bromofluorobenzene	94.5	39.1-146		%Rec	1	12/4/2023 4:45:32 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/5/2023 3:27:05 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-114 0-4'
Project: Prometheus
Collection Date: 11/29/2023 10:30:00 AM
Lab ID: 2312011-007 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/4/2023 2:10:16 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/4/2023 2:10:16 PM
Surr: DNOP	90.3	69-147		%Rec	1	12/4/2023 2:10:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/4/2023 5:09:01 PM
Surr: BFB	90.3	15-244		%Rec	1	12/4/2023 5:09:01 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 5:09:01 PM
Toluene	ND	0.047		mg/Kg	1	12/4/2023 5:09:01 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/4/2023 5:09:01 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/4/2023 5:09:01 PM
Surr: 4-Bromofluorobenzene	94.7	39.1-146		%Rec	1	12/4/2023 5:09:01 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/5/2023 3:42:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-115 0-4'
Project: Prometheus
Collection Date: 11/29/2023 10:40:00 AM
Lab ID: 2312011-008 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/4/2023 2:20:58 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/4/2023 2:20:58 PM
Surr: DNOP	198	69-147	S	%Rec	1	12/4/2023 2:20:58 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/4/2023 5:32:28 PM
Surr: BFB	91.1	15-244		%Rec	1	12/4/2023 5:32:28 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 5:32:28 PM
Toluene	ND	0.048		mg/Kg	1	12/4/2023 5:32:28 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/4/2023 5:32:28 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/4/2023 5:32:28 PM
Surr: 4-Bromofluorobenzene	95.6	39.1-146		%Rec	1	12/4/2023 5:32:28 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/5/2023 3:57:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-18 4'
Project: Prometheus
Collection Date: 11/29/2023 11:00:00 AM
Lab ID: 2312011-009 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/4/2023 2:31:41 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/4/2023 2:31:41 PM
Surr: DNOP	96.2	69-147		%Rec	1	12/4/2023 2:31:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/4/2023 5:55:47 PM
Surr: BFB	90.1	15-244		%Rec	1	12/4/2023 5:55:47 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 5:55:47 PM
Toluene	ND	0.048		mg/Kg	1	12/4/2023 5:55:47 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/4/2023 5:55:47 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/4/2023 5:55:47 PM
Surr: 4-Bromofluorobenzene	94.0	39.1-146		%Rec	1	12/4/2023 5:55:47 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	690	60		mg/Kg	20	12/5/2023 4:12:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-19 4'
Project: Prometheus
Collection Date: 11/29/2023 11:05:00 AM
Lab ID: 2312011-010 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/4/2023 2:42:24 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/4/2023 2:42:24 PM
Surr: DNOP	93.1	69-147		%Rec	1	12/4/2023 2:42:24 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/4/2023 6:19:01 PM
Surr: BFB	94.8	15-244		%Rec	1	12/4/2023 6:19:01 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/4/2023 6:19:01 PM
Toluene	ND	0.050		mg/Kg	1	12/4/2023 6:19:01 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/4/2023 6:19:01 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/4/2023 6:19:01 PM
Surr: 4-Bromofluorobenzene	99.6	39.1-146		%Rec	1	12/4/2023 6:19:01 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	400	60		mg/Kg	20	12/5/2023 4:27:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-20 4'
Project: Prometheus
Collection Date: 11/29/2023 11:10:00 AM
Lab ID: 2312011-011 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/4/2023 2:53:09 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/4/2023 2:53:09 PM
Surr: DNOP	102	69-147		%Rec	1	12/4/2023 2:53:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/4/2023 6:42:21 PM
Surr: BFB	91.0	15-244		%Rec	1	12/4/2023 6:42:21 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 6:42:21 PM
Toluene	ND	0.048		mg/Kg	1	12/4/2023 6:42:21 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/4/2023 6:42:21 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/4/2023 6:42:21 PM
Surr: 4-Bromofluorobenzene	95.6	39.1-146		%Rec	1	12/4/2023 6:42:21 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	730	60		mg/Kg	20	12/5/2023 4:42:56 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-21 4'
Project: Prometheus
Collection Date: 11/29/2023 11:15:00 AM
Lab ID: 2312011-012 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/4/2023 3:04:07 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/4/2023 3:04:07 PM
Surr: DNOP	99.6	69-147		%Rec	1	12/4/2023 3:04:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/4/2023 7:05:48 PM
Surr: BFB	90.4	15-244		%Rec	1	12/4/2023 7:05:48 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 7:05:48 PM
Toluene	ND	0.049		mg/Kg	1	12/4/2023 7:05:48 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/4/2023 7:05:48 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/4/2023 7:05:48 PM
Surr: 4-Bromofluorobenzene	94.7	39.1-146		%Rec	1	12/4/2023 7:05:48 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	480	60		mg/Kg	20	12/5/2023 4:58:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-22 4'
Project: Prometheus
Collection Date: 11/29/2023 11:20:00 AM
Lab ID: 2312011-013 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/4/2023 3:14:53 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/4/2023 3:14:53 PM
Surr: DNOP	92.9	69-147		%Rec	1	12/4/2023 3:14:53 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/4/2023 7:29:13 PM
Surr: BFB	92.2	15-244		%Rec	1	12/4/2023 7:29:13 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 7:29:13 PM
Toluene	ND	0.049		mg/Kg	1	12/4/2023 7:29:13 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/4/2023 7:29:13 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/4/2023 7:29:13 PM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	12/4/2023 7:29:13 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	300	60		mg/Kg	20	12/5/2023 5:13:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-23 4'
Project: Prometheus
Collection Date: 11/29/2023 11:25:00 AM
Lab ID: 2312011-014 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/4/2023 3:25:39 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/4/2023 3:25:39 PM
Surr: DNOP	91.9	69-147		%Rec	1	12/4/2023 3:25:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/4/2023 7:52:34 PM
Surr: BFB	92.2	15-244		%Rec	1	12/4/2023 7:52:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/4/2023 7:52:34 PM
Toluene	ND	0.050		mg/Kg	1	12/4/2023 7:52:34 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/4/2023 7:52:34 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/4/2023 7:52:34 PM
Surr: 4-Bromofluorobenzene	97.7	39.1-146		%Rec	1	12/4/2023 7:52:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	870	60		mg/Kg	20	12/5/2023 5:28:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-24 4'
Project: Prometheus
Collection Date: 11/29/2023 11:30:00 AM
Lab ID: 2312011-015 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/4/2023 3:36:34 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/4/2023 3:36:34 PM
Surr: DNOP	95.2	69-147		%Rec	1	12/4/2023 3:36:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/4/2023 8:15:57 PM
Surr: BFB	92.3	15-244		%Rec	1	12/4/2023 8:15:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/4/2023 8:15:57 PM
Toluene	ND	0.047		mg/Kg	1	12/4/2023 8:15:57 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/4/2023 8:15:57 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/4/2023 8:15:57 PM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	12/4/2023 8:15:57 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1600	60		mg/Kg	20	12/5/2023 5:43:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-25 4'
Project: Prometheus
Collection Date: 11/29/2023 11:35:00 AM
Lab ID: 2312011-016 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/5/2023 10:01:49 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/5/2023 10:01:49 AM
Surr: DNOP	82.5	69-147		%Rec	1	12/5/2023 10:01:49 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/5/2023 2:42:00 PM
Surr: BFB	105	15-244		%Rec	1	12/5/2023 2:42:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/5/2023 2:42:00 PM
Toluene	ND	0.048		mg/Kg	1	12/5/2023 2:42:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/5/2023 2:42:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/5/2023 2:42:00 PM
Surr: 4-Bromofluorobenzene	99.9	39.1-146		%Rec	1	12/5/2023 2:42:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1200	60		mg/Kg	20	12/5/2023 7:16:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-26 4'
Project: Prometheus
Collection Date: 11/29/2023 11:40:00 AM
Lab ID: 2312011-017 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/5/2023 10:12:19 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/5/2023 10:12:19 AM
Surr: DNOP	92.9	69-147		%Rec	1	12/5/2023 10:12:19 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/5/2023 3:47:00 PM
Surr: BFB	103	15-244		%Rec	1	12/5/2023 3:47:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/5/2023 3:47:00 PM
Toluene	ND	0.050		mg/Kg	1	12/5/2023 3:47:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/5/2023 3:47:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/5/2023 3:47:00 PM
Surr: 4-Bromofluorobenzene	96.6	39.1-146		%Rec	1	12/5/2023 3:47:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	240	60		mg/Kg	20	12/5/2023 8:01:57 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-27 4'
Project: Prometheus
Collection Date: 11/29/2023 11:45:00 AM
Lab ID: 2312011-018 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/5/2023 10:23:01 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/5/2023 10:23:01 AM
Surr: DNOP	89.0	69-147		%Rec	1	12/5/2023 10:23:01 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/5/2023 4:53:00 PM
Surr: BFB	107	15-244		%Rec	1	12/5/2023 4:53:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/5/2023 4:53:00 PM
Toluene	ND	0.046		mg/Kg	1	12/5/2023 4:53:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/5/2023 4:53:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	12/5/2023 4:53:00 PM
Surr: 4-Bromofluorobenzene	99.6	39.1-146		%Rec	1	12/5/2023 4:53:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	590	60		mg/Kg	20	12/5/2023 8:47:25 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-28 4'
Project: Prometheus
Collection Date: 11/29/2023 11:50:00 AM
Lab ID: 2312011-019 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/5/2023 10:33:31 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/5/2023 10:33:31 AM
Surr: DNOP	83.3	69-147		%Rec	1	12/5/2023 10:33:31 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/5/2023 5:14:00 PM
Surr: BFB	102	15-244		%Rec	1	12/5/2023 5:14:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/5/2023 5:14:00 PM
Toluene	ND	0.049		mg/Kg	1	12/5/2023 5:14:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/5/2023 5:14:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/5/2023 5:14:00 PM
Surr: 4-Bromofluorobenzene	98.0	39.1-146		%Rec	1	12/5/2023 5:14:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	610	60		mg/Kg	20	12/5/2023 9:32:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-29 4'
Project: Prometheus
Collection Date: 11/29/2023 11:55:00 AM
Lab ID: 2312011-020 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/5/2023 10:44:01 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/5/2023 10:44:01 AM
Surr: DNOP	81.8	69-147		%Rec	1	12/5/2023 10:44:01 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/5/2023 5:36:00 PM
Surr: BFB	98.6	15-244		%Rec	1	12/5/2023 5:36:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/5/2023 5:36:00 PM
Toluene	ND	0.047		mg/Kg	1	12/5/2023 5:36:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/5/2023 5:36:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/5/2023 5:36:00 PM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	12/5/2023 5:36:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1400	60		mg/Kg	20	12/5/2023 9:48:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-30 4'
Project: Prometheus
Collection Date: 11/29/2023 12:00:00 PM
Lab ID: 2312011-021 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	22	9.4		mg/Kg	1	12/5/2023 10:54:33 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/5/2023 10:54:33 AM
Surr: DNOP	77.6	69-147		%Rec	1	12/5/2023 10:54:33 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/5/2023 5:58:00 PM
Surr: BFB	99.6	15-244		%Rec	1	12/5/2023 5:58:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/5/2023 5:58:00 PM
Toluene	ND	0.047		mg/Kg	1	12/5/2023 5:58:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/5/2023 5:58:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/5/2023 5:58:00 PM
Surr: 4-Bromofluorobenzene	95.8	39.1-146		%Rec	1	12/5/2023 5:58:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	2000	60		mg/Kg	20	12/5/2023 10:03:20 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-31 4'
Project: Prometheus
Collection Date: 11/29/2023 12:05:00 PM
Lab ID: 2312011-022 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/5/2023 11:15:35 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/5/2023 11:15:35 AM
Surr: DNOP	86.0	69-147		%Rec	1	12/5/2023 11:15:35 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/5/2023 6:20:00 PM
Surr: BFB	97.3	15-244		%Rec	1	12/5/2023 6:20:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/5/2023 6:20:00 PM
Toluene	ND	0.048		mg/Kg	1	12/5/2023 6:20:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/5/2023 6:20:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/5/2023 6:20:00 PM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	12/5/2023 6:20:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	870	60		mg/Kg	20	12/5/2023 10:18:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-32 4'
Project: Prometheus
Collection Date: 11/29/2023 12:10:00 PM
Lab ID: 2312011-023 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/5/2023 11:26:10 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/5/2023 11:26:10 AM
Surr: DNOP	114	69-147		%Rec	1	12/5/2023 11:26:10 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/5/2023 6:41:00 PM
Surr: BFB	101	15-244		%Rec	1	12/5/2023 6:41:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/5/2023 6:41:00 PM
Toluene	ND	0.048		mg/Kg	1	12/5/2023 6:41:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/5/2023 6:41:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/5/2023 6:41:00 PM
Surr: 4-Bromofluorobenzene	98.2	39.1-146		%Rec	1	12/5/2023 6:41:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	1600	60		mg/Kg	20	12/5/2023 10:33:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312011**
Date Reported: **12/8/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-33 4'
Project: Prometheus
Collection Date: 11/29/2023 12:15:00 PM
Lab ID: 2312011-024 **Matrix:**
Received Date: 12/1/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/5/2023 11:36:47 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/5/2023 11:36:47 AM
Surr: DNOP	76.9	69-147		%Rec	1	12/5/2023 11:36:47 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/5/2023 7:03:00 PM
Surr: BFB	103	15-244		%Rec	1	12/5/2023 7:03:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/5/2023 7:03:00 PM
Toluene	ND	0.049		mg/Kg	1	12/5/2023 7:03:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/5/2023 7:03:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/5/2023 7:03:00 PM
Surr: 4-Bromofluorobenzene	98.6	39.1-146		%Rec	1	12/5/2023 7:03:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	990	60		mg/Kg	20	12/5/2023 10:48:49 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312011**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79127**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79127**	RunNo: **101605**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743288** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79127**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79127**	RunNo: **101605**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743289** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.5	90	110			

Sample ID: **MB-79154**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79154**	RunNo: **101605**
Prep Date: **12/5/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743323** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79154**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79154**	RunNo: **101605**
Prep Date: **12/5/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743324** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312011**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312011-015AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-24 4'**	Batch ID: **79105**	RunNo: **101577**
Prep Date: **12/1/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740454** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.6	47.94	0	88.1	54.2	135			
Surr: DNOP	4.9		4.794		102	69	147			

Sample ID: **2312011-015AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-24 4'**	Batch ID: **79105**	RunNo: **101577**
Prep Date: **12/1/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740455** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.8	49.07	0	85.2	54.2	135	1.08	29.2	
Surr: DNOP	4.8		4.907		98.1	69	147	0	0	

Sample ID: **LCS-79105**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79105**	RunNo: **101577**
Prep Date: **12/1/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740456** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	103	61.9	130			
Surr: DNOP	5.5		5.000		110	69	147			

Sample ID: **LCS-79133**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79133**	RunNo: **101577**
Prep Date: **12/4/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740457** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		79.5	69	147			

Sample ID: **MB-79105**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79105**	RunNo: **101577**
Prep Date: **12/1/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740458** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		99.8	69	147			

Sample ID: **MB-79133**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79133**	RunNo: **101577**
Prep Date: **12/4/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740459** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312011**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79133**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79133**	RunNo: **101577**
Prep Date: **12/4/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740459** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		82.3	69	147			

Sample ID: **LCS-79135**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79135**	RunNo: **101616**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3742356** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	78.7	61.9	130			
Surr: DNOP	4.1		5.000		82.4	69	147			

Sample ID: **MB-79135**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79135**	RunNo: **101616**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3742358** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		94.9	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312011**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79101**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79101**	RunNo: **101567**
Prep Date: **12/1/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740056** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.1	70	130			
Surr: BFB	1900		1000		192	15	244			

Sample ID: **mb-79101**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79101**	RunNo: **101567**
Prep Date: **12/1/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740057** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.0	15	244			

Sample ID: **lcs-79131**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743202** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.5	70	130			
Surr: BFB	2200		1000		219	15	244			

Sample ID: **mb-79131**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743203** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	15	244			

Sample ID: **2312011-016ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-25 4'**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743206** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.99	0	101	70	130			
Surr: BFB	2200		959.7		233	15	244			

Sample ID: **2312011-016amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-25 4'**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743207** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312011**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312011-016amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-25 4'**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743207** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.90	0	101	70	130	0.264	20	
Surr: BFB	2300		956.0		236	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312011**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79101**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79101**	RunNo: **101567**
Prep Date: **12/1/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740090** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.5	70	130			
Toluene	0.92	0.050	1.000	0	92.1	70	130			
Ethylbenzene	0.93	0.050	1.000	0	92.6	70	130			
Xylenes, Total	2.8	0.10	3.000	0	92.8	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.3	39.1	146			

Sample ID: **mb-79101**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79101**	RunNo: **101567**
Prep Date: **12/1/2023**	Analysis Date: **12/4/2023**	SeqNo: **3740092** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.1	39.1	146			

Sample ID: **lcs-79131**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743255** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.0	70	130			
Toluene	0.96	0.050	1.000	0	96.4	70	130			
Ethylbenzene	0.99	0.050	1.000	0	98.5	70	130			
Xylenes, Total	3.0	0.10	3.000	0	98.7	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	39.1	146			

Sample ID: **mb-79131**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743256** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312011**

08-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312011-017ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-26 4'**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743260** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9891	0	108	70	130			
Toluene	1.1	0.049	0.9891	0	110	70	130			
Ethylbenzene	1.1	0.049	0.9891	0	114	70	130			
Xylenes, Total	3.4	0.099	2.967	0	114	70	130			
Surr: 4-Bromofluorobenzene	0.99		0.9891		99.8	39.1	146			

Sample ID: **2312011-017amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-26 4'**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743261** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9911	0	110	70	130	1.52	20	
Toluene	1.1	0.050	0.9911	0	112	70	130	1.76	20	
Ethylbenzene	1.1	0.050	0.9911	0	116	70	130	1.80	20	
Xylenes, Total	3.5	0.099	2.973	0	116	70	130	2.22	20	
Surr: 4-Bromofluorobenzene	0.99		0.9911		100	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2312011 | RcptNo: 1

Received By: Juan Rojas 12/1/2023 7:45:00 AM

Completed By: Desiree Dominguez 12/1/2023 8:58:23 AM

Reviewed By: 12-1-23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JN 12/1/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good	Not Present	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 72-hour Rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt MMoffitt@Vertex.ca

Sampler: L. Pullman

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Yogi

Cooler Temp(including CF): 0.5+0.1=0.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312011	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11-29-23	10:15	Soil	WS23-25 0-4'	1 4oz Jar		-001	X	X					X			
	10:00		WS23-109 0-4'			-002										
	10:05		WS23-110 0-4'			-003										
	10:10		WS23-111 0-4'			-004										
	10:20		WS23-112 0-4'			-005										
	10:25		WS23-113 0-4'			-006										
	10:30		WS23-114 0-4'			-007										
	10:40		WS23-115 0-4'			-008										
	11:00		BS23-18 4'			-009										
	11:05		BS23-19 4'			-010										
	11:10		BS23-20 4'			-011										
	11:15		BS23-21 4'			-012	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11-30-23	07:00	Lakin Pullman				
11/30/23	1900			Courier	12/1/23	7:45

Remarks:
Ace Fluid Solutions
cc. MMoffitt@Vertex.ca, SCarttar@Vertex.ca
For Final Report

1/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 72-hour Rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt
MMoffitt@vertex.ca

Sampler: L. Pullman

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Yeti

Cooler Temp(including CF): 0.5+0.1=0.6(°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312011	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	(Cl, F, Br, NO_3, NO_2, PO_4, SO_4)	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11-29-23	11:20	Soil	BS23-22 4'	1 4oz Jar		-013	X	X					X			
	11:25		BS23-23 4'			-014										
	11:30		BS23-24 4'			-015										
	11:35		BS23-25 4'			-016										
	11:40		BS23-26 4'			-017										
	11:45		BS23-27 4'			-018										
	11:50		BS23-28 4'			-019										
	11:55		BS23-29 4'			-020										
	12:00		BS23-30 4'			-021										
	12:05		BS23-31 4'			-022										
	12:10		BS23-32 4'			-023										
	12:15		BS23-33 4'			-024	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
11-30-23	07:00	Lakin Pullman				
11/30/23	1900			courier	12/1/23	7:45

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarthar@vertex.ca

2/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 11, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2312088

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 18 sample(s) on 12/2/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-11 4'
Project: Prometheus **Collection Date:** 11/30/2023 8:00:00 AM
Lab ID: 2312088-001 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/5/2023 11:47:24 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/5/2023 11:47:24 AM
Surr: DNOP	83.5	69-147		%Rec	1	12/5/2023 11:47:24 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/5/2023 8:08:00 PM
Surr: BFB	97.7	15-244		%Rec	1	12/5/2023 8:08:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/5/2023 8:08:00 PM
Toluene	ND	0.050		mg/Kg	1	12/5/2023 8:08:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/5/2023 8:08:00 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/5/2023 8:08:00 PM
Surr: 4-Bromofluorobenzene	98.6	39.1-146		%Rec	1	12/5/2023 8:08:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/5/2023 11:03:59 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-12 4'
Project: Prometheus **Collection Date:** 11/30/2023 8:05:00 AM
Lab ID: 2312088-002 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/5/2023 11:58:02 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/5/2023 11:58:02 AM
Surr: DNOP	86.4	69-147		%Rec	1	12/5/2023 11:58:02 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/5/2023 8:30:00 PM
Surr: BFB	103	15-244		%Rec	1	12/5/2023 8:30:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/5/2023 8:30:00 PM
Toluene	ND	0.047		mg/Kg	1	12/5/2023 8:30:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/5/2023 8:30:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/5/2023 8:30:00 PM
Surr: 4-Bromofluorobenzene	98.1	39.1-146		%Rec	1	12/5/2023 8:30:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	110	60		mg/Kg	20	12/5/2023 11:19:08 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-13 4'
Project: Prometheus
Collection Date: 11/30/2023 8:10:00 AM
Lab ID: 2312088-003 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/5/2023 12:08:42 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/5/2023 12:08:42 PM
Surr: DNOP	80.5	69-147		%Rec	1	12/5/2023 12:08:42 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/5/2023 8:52:00 PM
Surr: BFB	100	15-244		%Rec	1	12/5/2023 8:52:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/5/2023 8:52:00 PM
Toluene	ND	0.049		mg/Kg	1	12/5/2023 8:52:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/5/2023 8:52:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/5/2023 8:52:00 PM
Surr: 4-Bromofluorobenzene	98.6	39.1-146		%Rec	1	12/5/2023 8:52:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/5/2023 11:34:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-14 4'
Project: Prometheus **Collection Date:** 11/30/2023 8:15:00 AM
Lab ID: 2312088-004 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/5/2023 12:19:23 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/5/2023 12:19:23 PM
Surr: DNOP	82.1	69-147		%Rec	1	12/5/2023 12:19:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/5/2023 9:13:00 PM
Surr: BFB	99.6	15-244		%Rec	1	12/5/2023 9:13:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/5/2023 9:13:00 PM
Toluene	ND	0.049		mg/Kg	1	12/5/2023 9:13:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/5/2023 9:13:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/5/2023 9:13:00 PM
Surr: 4-Bromofluorobenzene	99.0	39.1-146		%Rec	1	12/5/2023 9:13:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/5/2023 11:49:29 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-15 4'
Project: Prometheus **Collection Date:** 11/30/2023 8:20:00 AM
Lab ID: 2312088-005 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/5/2023 12:30:07 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/5/2023 12:30:07 PM
Surr: DNOP	86.7	69-147		%Rec	1	12/5/2023 12:30:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/5/2023 9:35:00 PM
Surr: BFB	102	15-244		%Rec	1	12/5/2023 9:35:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/5/2023 9:35:00 PM
Toluene	ND	0.049		mg/Kg	1	12/5/2023 9:35:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/5/2023 9:35:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/5/2023 9:35:00 PM
Surr: 4-Bromofluorobenzene	98.3	39.1-146		%Rec	1	12/5/2023 9:35:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	400	60		mg/Kg	20	12/6/2023 12:34:56 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-16 4'
Project: Prometheus **Collection Date:** 11/30/2023 8:25:00 AM
Lab ID: 2312088-006 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/5/2023 12:41:01 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/5/2023 12:41:01 PM
Surr: DNOP	83.9	69-147		%Rec	1	12/5/2023 12:41:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/5/2023 9:57:00 PM
Surr: BFB	101	15-244		%Rec	1	12/5/2023 9:57:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/5/2023 9:57:00 PM
Toluene	ND	0.046		mg/Kg	1	12/5/2023 9:57:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/5/2023 9:57:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	12/5/2023 9:57:00 PM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	12/5/2023 9:57:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	310	60		mg/Kg	20	12/6/2023 12:50:07 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-17 4'
Project: Prometheus **Collection Date:** 11/30/2023 8:30:00 AM
Lab ID: 2312088-007 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/5/2023 12:51:55 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/5/2023 12:51:55 PM
Surr: DNOP	84.7	69-147		%Rec	1	12/5/2023 12:51:55 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/5/2023 10:19:00 PM
Surr: BFB	101	15-244		%Rec	1	12/5/2023 10:19:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/5/2023 10:19:00 PM
Toluene	ND	0.049		mg/Kg	1	12/5/2023 10:19:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/5/2023 10:19:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/5/2023 10:19:00 PM
Surr: 4-Bromofluorobenzene	97.1	39.1-146		%Rec	1	12/5/2023 10:19:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	98	60		mg/Kg	20	12/6/2023 1:05:16 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-08 0-4'
Project: Prometheus **Collection Date:** 11/30/2023 9:10:00 AM
Lab ID: 2312088-008 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/5/2023 1:02:49 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/5/2023 1:02:49 PM
Surr: DNOP	82.7	69-147		%Rec	1	12/5/2023 1:02:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/5/2023 10:40:00 PM
Surr: BFB	101	15-244		%Rec	1	12/5/2023 10:40:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/5/2023 10:40:00 PM
Toluene	ND	0.050		mg/Kg	1	12/5/2023 10:40:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/5/2023 10:40:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/5/2023 10:40:00 PM
Surr: 4-Bromofluorobenzene	95.9	39.1-146		%Rec	1	12/5/2023 10:40:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	96	60		mg/Kg	20	12/6/2023 1:20:27 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-64 0-4'
Project: Prometheus **Collection Date:** 11/30/2023 9:15:00 AM
Lab ID: 2312088-009 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/5/2023 1:13:41 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/5/2023 1:13:41 PM
Surr: DNOP	85.2	69-147		%Rec	1	12/5/2023 1:13:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/5/2023 11:02:00 PM
Surr: BFB	107	15-244		%Rec	1	12/5/2023 11:02:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/5/2023 11:02:00 PM
Toluene	ND	0.047		mg/Kg	1	12/5/2023 11:02:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/5/2023 11:02:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/5/2023 11:02:00 PM
Surr: 4-Bromofluorobenzene	96.7	39.1-146		%Rec	1	12/5/2023 11:02:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/6/2023 1:35:37 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-116 0-4'
Project: Prometheus
Collection Date: 11/30/2023 8:50:00 AM
Lab ID: 2312088-010 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/5/2023 1:24:35 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/5/2023 1:24:35 PM
Surr: DNOP	91.8	69-147		%Rec	1	12/5/2023 1:24:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/5/2023 11:23:00 PM
Surr: BFB	98.7	15-244		%Rec	1	12/5/2023 11:23:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/5/2023 11:23:00 PM
Toluene	ND	0.048		mg/Kg	1	12/5/2023 11:23:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/5/2023 11:23:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/5/2023 11:23:00 PM
Surr: 4-Bromofluorobenzene	95.0	39.1-146		%Rec	1	12/5/2023 11:23:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	87	60		mg/Kg	20	12/6/2023 1:50:47 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-117 0-4'
Project: Prometheus
Collection Date: 11/30/2023 8:55:00 AM
Lab ID: 2312088-011 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/5/2023 1:35:28 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/5/2023 1:35:28 PM
Surr: DNOP	88.1	69-147		%Rec	1	12/5/2023 1:35:28 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2023 12:07:00 AM
Surr: BFB	103	15-244		%Rec	1	12/6/2023 12:07:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/6/2023 12:07:00 AM
Toluene	ND	0.050		mg/Kg	1	12/6/2023 12:07:00 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2023 12:07:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2023 12:07:00 AM
Surr: 4-Bromofluorobenzene	94.1	39.1-146		%Rec	1	12/6/2023 12:07:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	ND	60		mg/Kg	20	12/6/2023 2:05:57 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-118 0-4'
Project: Prometheus
Collection Date: 11/30/2023 9:00:00 AM
Lab ID: 2312088-012 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	12/6/2023 4:35:39 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/6/2023 4:35:39 PM
Surr: DNOP	100	69-147		%Rec	1	12/6/2023 4:35:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/6/2023 11:01:34 AM
Surr: BFB	89.8	15-244		%Rec	1	12/6/2023 11:01:34 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/6/2023 11:01:34 AM
Toluene	ND	0.048		mg/Kg	1	12/6/2023 11:01:34 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/6/2023 11:01:34 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/6/2023 11:01:34 AM
Surr: 4-Bromofluorobenzene	94.3	39.1-146		%Rec	1	12/6/2023 11:01:34 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	74	60		mg/Kg	20	12/6/2023 12:24:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-119 0-4'
Project: Prometheus **Collection Date:** 11/30/2023 9:05:00 AM
Lab ID: 2312088-013 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	12/6/2023 4:46:26 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/6/2023 4:46:26 PM
Surr: DNOP	82.4	69-147		%Rec	1	12/6/2023 4:46:26 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/6/2023 11:24:52 AM
Surr: BFB	89.8	15-244		%Rec	1	12/6/2023 11:24:52 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/6/2023 11:24:52 AM
Toluene	ND	0.048		mg/Kg	1	12/6/2023 11:24:52 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/6/2023 11:24:52 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/6/2023 11:24:52 AM
Surr: 4-Bromofluorobenzene	93.7	39.1-146		%Rec	1	12/6/2023 11:24:52 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/6/2023 1:43:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-120 0-4'
Project: Prometheus **Collection Date:** 11/30/2023 9:20:00 AM
Lab ID: 2312088-014 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/6/2023 4:57:13 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/6/2023 4:57:13 PM
Surr: DNOP	78.9	69-147		%Rec	1	12/6/2023 4:57:13 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/6/2023 11:48:14 AM
Surr: BFB	94.7	15-244		%Rec	1	12/6/2023 11:48:14 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/6/2023 11:48:14 AM
Toluene	ND	0.048		mg/Kg	1	12/6/2023 11:48:14 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/6/2023 11:48:14 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/6/2023 11:48:14 AM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	12/6/2023 11:48:14 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/6/2023 2:29:11 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-121 0-4'
Project: Prometheus **Collection Date:** 11/30/2023 9:25:00 AM
Lab ID: 2312088-015 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/6/2023 5:07:59 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/6/2023 5:07:59 PM
Surr: DNOP	78.8	69-147		%Rec	1	12/6/2023 5:07:59 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/6/2023 12:11:42 PM
Surr: BFB	92.9	15-244		%Rec	1	12/6/2023 12:11:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/6/2023 12:11:42 PM
Toluene	ND	0.050		mg/Kg	1	12/6/2023 12:11:42 PM
Ethylbenzene	ND	0.050		mg/Kg	1	12/6/2023 12:11:42 PM
Xylenes, Total	ND	0.10		mg/Kg	1	12/6/2023 12:11:42 PM
Surr: 4-Bromofluorobenzene	97.7	39.1-146		%Rec	1	12/6/2023 12:11:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	98	60		mg/Kg	20	12/6/2023 2:44:21 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-122 0-4'
Project: Prometheus
Collection Date: 11/30/2023 9:30:00 AM
Lab ID: 2312088-016 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	12/6/2023 5:18:45 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/6/2023 5:18:45 PM
Surr: DNOP	82.2	69-147		%Rec	1	12/6/2023 5:18:45 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/6/2023 12:35:14 PM
Surr: BFB	93.9	15-244		%Rec	1	12/6/2023 12:35:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/6/2023 12:35:14 PM
Toluene	ND	0.047		mg/Kg	1	12/6/2023 12:35:14 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/6/2023 12:35:14 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/6/2023 12:35:14 PM
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	12/6/2023 12:35:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/6/2023 2:59:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-123 0-4'
Project: Prometheus
Collection Date: 11/30/2023 9:35:00 AM
Lab ID: 2312088-017 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/6/2023 5:29:39 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/6/2023 5:29:39 PM
Surr: DNOP	83.6	69-147		%Rec	1	12/6/2023 5:29:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/6/2023 12:58:46 PM
Surr: BFB	92.5	15-244		%Rec	1	12/6/2023 12:58:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/6/2023 12:58:46 PM
Toluene	ND	0.049		mg/Kg	1	12/6/2023 12:58:46 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/6/2023 12:58:46 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/6/2023 12:58:46 PM
Surr: 4-Bromofluorobenzene	96.6	39.1-146		%Rec	1	12/6/2023 12:58:46 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/6/2023 3:14:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312088**
Date Reported: **12/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-124 0-4'
Project: Prometheus
Collection Date: 11/30/2023 9:40:00 AM
Lab ID: 2312088-018 **Matrix:** SOIL **Received Date:** 12/2/2023 8:30:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	12/6/2023 5:40:31 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	12/6/2023 5:40:31 PM
Surr: DNOP	84.8	69-147		%Rec	1	12/6/2023 5:40:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/6/2023 1:22:20 PM
Surr: BFB	94.1	15-244		%Rec	1	12/6/2023 1:22:20 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/6/2023 1:22:20 PM
Toluene	ND	0.047		mg/Kg	1	12/6/2023 1:22:20 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/6/2023 1:22:20 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/6/2023 1:22:20 PM
Surr: 4-Bromofluorobenzene	96.5	39.1-146		%Rec	1	12/6/2023 1:22:20 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/6/2023 3:29:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312088**

11-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79154**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79154**	RunNo: **101605**
Prep Date: **12/5/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743323** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79154**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79154**	RunNo: **101605**
Prep Date: **12/5/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743324** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Sample ID: **MB-79179**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79179**	RunNo: **101662**
Prep Date: **12/6/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744900** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79179**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79179**	RunNo: **101662**
Prep Date: **12/6/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744901** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.7	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312088**

11-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312088-011AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **WS23-117 0-4'** Batch ID: **79135** RunNo: **101616**

Prep Date: **12/4/2023** Analysis Date: **12/5/2023** SeqNo: **3742354** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	9.5	47.57	0	82.6	54.2	135			
Surr: DNOP	4.3		4.757		89.3	69	147			

Sample ID: **2312088-011AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **WS23-117 0-4'** Batch ID: **79135** RunNo: **101616**

Prep Date: **12/4/2023** Analysis Date: **12/5/2023** SeqNo: **3742355** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.2	45.91	0	80.8	54.2	135	5.74	29.2	
Surr: DNOP	4.0		4.591		86.4	69	147	0	0	

Sample ID: **LCS-79135** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **79135** RunNo: **101616**

Prep Date: **12/4/2023** Analysis Date: **12/5/2023** SeqNo: **3742356** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	78.7	61.9	130			
Surr: DNOP	4.1		5.000		82.4	69	147			

Sample ID: **MB-79135** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **79135** RunNo: **101616**

Prep Date: **12/4/2023** Analysis Date: **12/5/2023** SeqNo: **3742358** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		94.9	69	147			

Sample ID: **2312088-018AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **WS23-124 0-4'** Batch ID: **79166** RunNo: **101659**

Prep Date: **12/5/2023** Analysis Date: **12/6/2023** SeqNo: **3744233** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	34	8.5	42.44	0	80.4	54.2	135			
Surr: DNOP	3.6		4.244		85.9	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312088**

11-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312088-018AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-124 0-4'**	Batch ID: **79166**	RunNo: **101659**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744235** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	9.3	46.60	0	77.5	54.2	135	5.65	29.2	
Surr: DNOP	3.9		4.660		82.7	69	147	0	0	

Sample ID: **LCS-79166**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79166**	RunNo: **101659**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744237** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.3	61.9	130			
Surr: DNOP	4.5		5.000		90.1	69	147			

Sample ID: **MB-79166**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79166**	RunNo: **101659**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744239** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312088**

11-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79131**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743202** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	89.5	70	130			
Surr: BFB	2200		1000		219	15	244			

Sample ID: **mb-79131**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743203** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	15	244			

Sample ID: **lcs-79162**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79162**	RunNo: **101655**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744203** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	80.5	70	130			
Surr: BFB	1800		1000		179	15	244			

Sample ID: **mb-79162**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79162**	RunNo: **101655**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744205** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	890		1000		88.5	15	244			

Sample ID: **2312088-012ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-118 0-4'**	Batch ID: **79162**	RunNo: **101655**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744266** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	23.83	0	88.9	70	130			
Surr: BFB	1900		953.3		202	15	244			

Sample ID: **2312088-012amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-118 0-4'**	Batch ID: **79162**	RunNo: **101655**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744267** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312088**

11-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312088-012amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-118 0-4'**	Batch ID: **79162**	RunNo: **101655**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744267** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	23.97	0	89.3	70	130	1.02	20	
Surr: BFB	1900		958.8		203	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312088**

11-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79131**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743255** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.0	70	130			
Toluene	0.96	0.050	1.000	0	96.4	70	130			
Ethylbenzene	0.99	0.050	1.000	0	98.5	70	130			
Xylenes, Total	3.0	0.10	3.000	0	98.7	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	39.1	146			

Sample ID: **mb-79131**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79131**	RunNo: **101628**
Prep Date: **12/4/2023**	Analysis Date: **12/5/2023**	SeqNo: **3743256** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **LCS-79162**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79162**	RunNo: **101655**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744277** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.5	70	130			
Toluene	0.94	0.050	1.000	0	93.9	70	130			
Ethylbenzene	0.94	0.050	1.000	0	93.6	70	130			
Xylenes, Total	2.8	0.10	3.000	0	93.4	70	130			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.6	39.1	146			

Sample ID: **mb-79162**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79162**	RunNo: **101655**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744278** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		92.3	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312088**

11-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312088-013ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-119 0-4'**	Batch ID: **79162**	RunNo: **101655**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744284** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9524	0	99.6	70	130			
Toluene	0.96	0.048	0.9524	0	101	70	130			
Ethylbenzene	0.98	0.048	0.9524	0	103	70	130			
Xylenes, Total	3.0	0.095	2.857	0	104	70	130			
Surr: 4-Bromofluorobenzene	0.94		0.9524		98.4	39.1	146			

Sample ID: **2312088-013amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-119 0-4'**	Batch ID: **79162**	RunNo: **101655**
Prep Date: **12/5/2023**	Analysis Date: **12/6/2023**	SeqNo: **3744285** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.024	0.9533	0	100	70	130	0.806	20	
Toluene	0.97	0.048	0.9533	0	102	70	130	0.970	20	
Ethylbenzene	0.99	0.048	0.9533	0	103	70	130	0.163	20	
Xylenes, Total	3.0	0.095	2.860	0	104	70	130	0.195	20	
Surr: 4-Bromofluorobenzene	0.94		0.9533		98.7	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2312088 RcptNo: 1

Received By: Tracy Casarrubias 12/2/2023 8:30:00 AM

Completed By: Tracy Casarrubias 12/2/2023 8:59:44 AM

Reviewed By: JN 12/4/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: TMC 12/2/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 12/2/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good	Yes	Morty		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: ~~Ace Fluid Solutions~~ Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 72-hour Rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt MMoffitt@vertex.ca

Sampler: L. Pullman

On Ice: ☒ Yes ☐ No marty

# of Coolers: 1

Cooler Temp(including CF): 0.8 - 0 = 0.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312088	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11-30-23	08:00	Soil	BS23-11 4'	1 4oz Jar		001	X	X					X			
	08:05		BS23-12 4'			002										
	08:10		BS23-13 4'			003										
	08:15		BS23-14 4'			004										
	08:20		BS23-15 4'			005										
	08:25		BS23-16 4'			006										
	08:30		BS23-17 4'			007										
	09:10		WS23-08 0-4'			008										
	09:15		WS23-64 0-4'			009										
	08:50		WS23-116 0-4'			010										
	08:55		WS23-117 0-4'			011										
	09:00		WS23-118 0-4'			012	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12-1-2023	07:00				12/1/23	0700
12/1/23	1400			courier	12/2/23	8:30

Remarks:
Ace Fluid Solutions
cc. MMoffitt@Vertex.ca, SCarthar@Vertex.ca
for Final Report

1/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 72-hour Rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt MMoffitt@Vertex.ca

Sampler: L. Pullman

On Ice: ☒ Yes ☐ No marty

# of Coolers: 1

Cooler Temp(including CF): 0.8 -0 = 0.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312088	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11-30-23	09:05	Soil	WS23-119 0-4'	1 4oz Jar		013	X	X					X			
	09:20		WS23-120 0-4'			014										
	09:25		WS23-121 0-4'			015										
	09:30		WS23-122 0-4'			016										
	09:35		WS23-123 0-4'			017										
	09:40		WS23-124 0-4'			018	X	X					X			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12-1-23	07:00				12/1/23	0700
12/1/23	1900			courier	12/2/23	8:30

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCanttar@vertex.ca
for Final Report

2/2

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 18, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2312259

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 51 sample(s) on 12/6/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-88 0-4'
Project: Prometheus
Collection Date: 12/2/2023 11:05:00 AM
Lab ID: 2312259-001 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/7/2023 11:28:22 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/7/2023 11:28:22 AM
Surr: DNOP	73.0	69-147		%Rec	1	12/7/2023 11:28:22 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 9:39:00 PM
Surr: BFB	98.6	15-244		%Rec	1	12/8/2023 9:39:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 9:39:00 PM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 9:39:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 9:39:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/8/2023 9:39:00 PM
Surr: 4-Bromofluorobenzene	95.7	39.1-146		%Rec	1	12/8/2023 9:39:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	150	60		mg/Kg	20	12/8/2023 8:45:55 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-89 0-4'
Project: Prometheus
Collection Date: 12/2/2023 11:00:00 AM
Lab ID: 2312259-002 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/7/2023 11:38:57 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/7/2023 11:38:57 AM
Surr: DNOP	84.2	69-147		%Rec	1	12/7/2023 11:38:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/8/2023 10:44:00 PM
Surr: BFB	102	15-244		%Rec	1	12/8/2023 10:44:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 10:44:00 PM
Toluene	ND	0.049		mg/Kg	1	12/8/2023 10:44:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/8/2023 10:44:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/8/2023 10:44:00 PM
Surr: 4-Bromofluorobenzene	96.1	39.1-146		%Rec	1	12/8/2023 10:44:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	160	60		mg/Kg	20	12/8/2023 9:23:09 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-90 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:55:00 AM
Lab ID: 2312259-003 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/8/2023 10:14:10 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 10:14:10 AM
Surr: DNOP	81.2	69-147		%Rec	1	12/8/2023 10:14:10 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/8/2023 11:49:00 PM
Surr: BFB	97.9	15-244		%Rec	1	12/8/2023 11:49:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 11:49:00 PM
Toluene	ND	0.047		mg/Kg	1	12/8/2023 11:49:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2023 11:49:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/8/2023 11:49:00 PM
Surr: 4-Bromofluorobenzene	94.3	39.1-146		%Rec	1	12/8/2023 11:49:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 9:35:33 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-92 0-4'
Project: Prometheus
Collection Date: 12/2/2023 8:50:00 AM
Lab ID: 2312259-004 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/8/2023 10:24:42 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2023 10:24:42 AM
Surr: DNOP	80.5	69-147		%Rec	1	12/8/2023 10:24:42 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 12:10:00 AM
Surr: BFB	97.8	15-244		%Rec	1	12/9/2023 12:10:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/9/2023 12:10:00 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 12:10:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 12:10:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2023 12:10:00 AM
Surr: 4-Bromofluorobenzene	94.2	39.1-146		%Rec	1	12/9/2023 12:10:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 10:37:35 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-93 0-4'
Project: Prometheus
Collection Date: 12/2/2023 8:55:00 AM
Lab ID: 2312259-005 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/8/2023 10:35:16 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 10:35:16 AM
Surr: DNOP	80.9	69-147		%Rec	1	12/8/2023 10:35:16 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/9/2023 12:32:00 AM
Surr: BFB	97.1	15-244		%Rec	1	12/9/2023 12:32:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 12:32:00 AM
Toluene	ND	0.047		mg/Kg	1	12/9/2023 12:32:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/9/2023 12:32:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/9/2023 12:32:00 AM
Surr: 4-Bromofluorobenzene	94.0	39.1-146		%Rec	1	12/9/2023 12:32:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 10:50:00 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-94 0-4'
Project: Prometheus
Collection Date: 12/2/2023 9:00:00 AM
Lab ID: 2312259-006 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/8/2023 10:45:51 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 10:45:51 AM
Surr: DNOP	80.1	69-147		%Rec	1	12/8/2023 10:45:51 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 12:53:00 AM
Surr: BFB	101	15-244		%Rec	1	12/9/2023 12:53:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 12:53:00 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 12:53:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 12:53:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/9/2023 12:53:00 AM
Surr: 4-Bromofluorobenzene	93.7	39.1-146		%Rec	1	12/9/2023 12:53:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 11:02:25 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-95 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:50:00 AM
Lab ID: 2312259-007 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/8/2023 10:56:26 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 10:56:26 AM
Surr: DNOP	79.6	69-147		%Rec	1	12/8/2023 10:56:26 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/9/2023 1:15:00 AM
Surr: BFB	99.4	15-244		%Rec	1	12/9/2023 1:15:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/9/2023 1:15:00 AM
Toluene	ND	0.047		mg/Kg	1	12/9/2023 1:15:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/9/2023 1:15:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	12/9/2023 1:15:00 AM
Surr: 4-Bromofluorobenzene	94.9	39.1-146		%Rec	1	12/9/2023 1:15:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 11:14:50 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-131 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:00:00 AM
Lab ID: 2312259-008 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	12/8/2023 11:07:03 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/8/2023 11:07:03 AM
Surr: DNOP	79.9	69-147		%Rec	1	12/8/2023 11:07:03 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 1:37:00 AM
Surr: BFB	97.8	15-244		%Rec	1	12/9/2023 1:37:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 1:37:00 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 1:37:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 1:37:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/9/2023 1:37:00 AM
Surr: 4-Bromofluorobenzene	94.7	39.1-146		%Rec	1	12/9/2023 1:37:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 11:27:14 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-132 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:05:00 AM
Lab ID: 2312259-009 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/8/2023 11:17:41 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 11:17:41 AM
Surr: DNOP	102	69-147		%Rec	1	12/8/2023 11:17:41 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 1:58:00 AM
Surr: BFB	96.4	15-244		%Rec	1	12/9/2023 1:58:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 1:58:00 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 1:58:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 1:58:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2023 1:58:00 AM
Surr: 4-Bromofluorobenzene	96.4	39.1-146		%Rec	1	12/9/2023 1:58:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 11:39:38 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-133 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:10:00 AM
Lab ID: 2312259-010 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/8/2023 11:28:21 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/8/2023 11:28:21 AM
Surr: DNOP	91.3	69-147		%Rec	1	12/8/2023 11:28:21 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 2:20:00 AM
Surr: BFB	99.3	15-244		%Rec	1	12/9/2023 2:20:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/9/2023 2:20:00 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 2:20:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 2:20:00 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2023 2:20:00 AM
Surr: 4-Bromofluorobenzene	93.3	39.1-146		%Rec	1	12/9/2023 2:20:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 11:52:03 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-134 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:15:00 AM
Lab ID: 2312259-011 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/8/2023 11:39:00 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2023 11:39:00 AM
Surr: DNOP	89.7	69-147		%Rec	1	12/8/2023 11:39:00 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/9/2023 3:03:00 AM
Surr: BFB	96.1	15-244		%Rec	1	12/9/2023 3:03:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/9/2023 3:03:00 AM
Toluene	ND	0.046		mg/Kg	1	12/9/2023 3:03:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	12/9/2023 3:03:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	12/9/2023 3:03:00 AM
Surr: 4-Bromofluorobenzene	93.9	39.1-146		%Rec	1	12/9/2023 3:03:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	86	60		mg/Kg	20	12/8/2023 12:04:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-135 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:25:00 AM
Lab ID: 2312259-012 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/8/2023 11:49:40 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2023 11:49:40 AM
Surr: DNOP	77.2	69-147		%Rec	1	12/8/2023 11:49:40 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 3:24:00 AM
Surr: BFB	102	15-244		%Rec	1	12/9/2023 3:24:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 3:24:00 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 3:24:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 3:24:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/9/2023 3:24:00 AM
Surr: 4-Bromofluorobenzene	94.2	39.1-146		%Rec	1	12/9/2023 3:24:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	61	60		mg/Kg	20	12/8/2023 12:41:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-136 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:30:00 AM
Lab ID: 2312259-013 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/8/2023 12:11:00 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 12:11:00 PM
Surr: DNOP	72.1	69-147		%Rec	1	12/8/2023 12:11:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/9/2023 3:46:00 AM
Surr: BFB	98.5	15-244		%Rec	1	12/9/2023 3:46:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/9/2023 3:46:00 AM
Toluene	ND	0.046		mg/Kg	1	12/9/2023 3:46:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	12/9/2023 3:46:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	12/9/2023 3:46:00 AM
Surr: 4-Bromofluorobenzene	93.0	39.1-146		%Rec	1	12/9/2023 3:46:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	79	61		mg/Kg	20	12/8/2023 12:54:06 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-137 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:35:00 AM
Lab ID: 2312259-014 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/8/2023 2:28:03 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 2:28:03 PM
Surr: DNOP	75.3	69-147		%Rec	1	12/8/2023 2:28:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 4:07:00 AM
Surr: BFB	100	15-244		%Rec	1	12/9/2023 4:07:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/9/2023 4:07:00 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 4:07:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 4:07:00 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/9/2023 4:07:00 AM
Surr: 4-Bromofluorobenzene	92.8	39.1-146		%Rec	1	12/9/2023 4:07:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	59		mg/Kg	20	12/8/2023 1:06:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-138 0-4'
Project: Prometheus
Collection Date: 12/2/2023 10:40:00 AM
Lab ID: 2312259-015 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/8/2023 2:38:49 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 2:38:49 PM
Surr: DNOP	73.8	69-147		%Rec	1	12/8/2023 2:38:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/9/2023 4:29:00 AM
Surr: BFB	103	15-244		%Rec	1	12/9/2023 4:29:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/9/2023 4:29:00 AM
Toluene	ND	0.047		mg/Kg	1	12/9/2023 4:29:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/9/2023 4:29:00 AM
Xylenes, Total	ND	0.093		mg/Kg	1	12/9/2023 4:29:00 AM
Surr: 4-Bromofluorobenzene	94.3	39.1-146		%Rec	1	12/9/2023 4:29:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 1:18:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-139 0-4'
Project: Prometheus
Collection Date: 12/2/2023 8:30:00 AM
Lab ID: 2312259-016 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/8/2023 2:49:36 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 2:49:36 PM
Surr: DNOP	74.6	69-147		%Rec	1	12/8/2023 2:49:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/9/2023 4:50:00 AM
Surr: BFB	98.1	15-244		%Rec	1	12/9/2023 4:50:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/9/2023 4:50:00 AM
Toluene	ND	0.047		mg/Kg	1	12/9/2023 4:50:00 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/9/2023 4:50:00 AM
Xylenes, Total	ND	0.094		mg/Kg	1	12/9/2023 4:50:00 AM
Surr: 4-Bromofluorobenzene	95.3	39.1-146		%Rec	1	12/9/2023 4:50:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 1:31:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-140 0-4'
Project: Prometheus
Collection Date: 12/2/2023 8:35:00 AM
Lab ID: 2312259-017 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/8/2023 3:00:23 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 3:00:23 PM
Surr: DNOP	75.0	69-147		%Rec	1	12/8/2023 3:00:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/9/2023 5:12:00 AM
Surr: BFB	97.4	15-244		%Rec	1	12/9/2023 5:12:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/9/2023 5:12:00 AM
Toluene	ND	0.046		mg/Kg	1	12/9/2023 5:12:00 AM
Ethylbenzene	ND	0.046		mg/Kg	1	12/9/2023 5:12:00 AM
Xylenes, Total	ND	0.092		mg/Kg	1	12/9/2023 5:12:00 AM
Surr: 4-Bromofluorobenzene	93.2	39.1-146		%Rec	1	12/9/2023 5:12:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	140	60		mg/Kg	20	12/8/2023 1:43:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-141 0-4'
Project: Prometheus
Collection Date: 12/2/2023 8:40:00 AM
Lab ID: 2312259-018 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/8/2023 3:11:11 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 3:11:11 PM
Surr: DNOP	74.0	69-147		%Rec	1	12/8/2023 3:11:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 5:34:00 AM
Surr: BFB	98.6	15-244		%Rec	1	12/9/2023 5:34:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 5:34:00 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 5:34:00 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 5:34:00 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2023 5:34:00 AM
Surr: 4-Bromofluorobenzene	94.2	39.1-146		%Rec	1	12/9/2023 5:34:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 1:56:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-142 0-4'
Project: Prometheus
Collection Date: 12/2/2023 8:45:00 AM
Lab ID: 2312259-019 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/8/2023 3:22:07 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 3:22:07 PM
Surr: DNOP	75.0	69-147		%Rec	1	12/8/2023 3:22:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 5:55:00 AM
Surr: BFB	97.8	15-244		%Rec	1	12/9/2023 5:55:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 5:55:00 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 5:55:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 5:55:00 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/9/2023 5:55:00 AM
Surr: 4-Bromofluorobenzene	94.4	39.1-146		%Rec	1	12/9/2023 5:55:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	89	60		mg/Kg	20	12/8/2023 5:44:14 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-143 0-4'
Project: Prometheus
Collection Date: 12/2/2023 9:05:00 AM
Lab ID: 2312259-020 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/8/2023 3:33:02 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 3:33:02 PM
Surr: DNOP	71.1	69-147		%Rec	1	12/8/2023 3:33:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 6:17:00 AM
Surr: BFB	96.5	15-244		%Rec	1	12/9/2023 6:17:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 6:17:00 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 6:17:00 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 6:17:00 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/9/2023 6:17:00 AM
Surr: 4-Bromofluorobenzene	93.0	39.1-146		%Rec	1	12/9/2023 6:17:00 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	64	60		mg/Kg	20	12/8/2023 6:29:44 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-144 0-4'
Project: Prometheus
Collection Date: 12/2/2023 9:10:00 AM
Lab ID: 2312259-021 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/8/2023 7:50:21 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/8/2023 7:50:21 PM
Surr: DNOP	85.5	69-147		%Rec	1	12/8/2023 7:50:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 10:17:33 PM
Surr: BFB	94.7	15-244		%Rec	1	12/8/2023 10:17:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 10:17:33 PM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 10:17:33 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 10:17:33 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/8/2023 10:17:33 PM
Surr: 4-Bromofluorobenzene	95.2	39.1-146		%Rec	1	12/8/2023 10:17:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	90	60		mg/Kg	20	12/8/2023 7:17:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-145 0-4'
Project: Prometheus
Collection Date: 12/2/2023 9:15:00 AM
Lab ID: 2312259-022 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/8/2023 8:22:12 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2023 8:22:12 PM
Surr: DNOP	81.6	69-147		%Rec	1	12/8/2023 8:22:12 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/8/2023 11:27:12 PM
Surr: BFB	95.1	15-244		%Rec	1	12/8/2023 11:27:12 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 11:27:12 PM
Toluene	ND	0.047		mg/Kg	1	12/8/2023 11:27:12 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2023 11:27:12 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/8/2023 11:27:12 PM
Surr: 4-Bromofluorobenzene	96.9	39.1-146		%Rec	1	12/8/2023 11:27:12 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	12/8/2023 7:32:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-146 0-4'
Project: Prometheus
Collection Date: 12/2/2023 9:20:00 AM
Lab ID: 2312259-023 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/8/2023 8:32:50 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 8:32:50 PM
Surr: DNOP	83.6	69-147		%Rec	1	12/8/2023 8:32:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/9/2023 12:36:37 AM
Surr: BFB	90.4	15-244		%Rec	1	12/9/2023 12:36:37 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/9/2023 12:36:37 AM
Toluene	ND	0.046		mg/Kg	1	12/9/2023 12:36:37 AM
Ethylbenzene	ND	0.046		mg/Kg	1	12/9/2023 12:36:37 AM
Xylenes, Total	ND	0.093		mg/Kg	1	12/9/2023 12:36:37 AM
Surr: 4-Bromofluorobenzene	92.4	39.1-146		%Rec	1	12/9/2023 12:36:37 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	12/8/2023 7:48:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-147 0-4'
Project: Prometheus
Collection Date: 12/2/2023 9:25:00 AM
Lab ID: 2312259-024 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	12/8/2023 8:43:26 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	12/8/2023 8:43:26 PM
Surr: DNOP	85.4	69-147		%Rec	1	12/8/2023 8:43:26 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 12:59:44 AM
Surr: BFB	92.4	15-244		%Rec	1	12/9/2023 12:59:44 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/9/2023 12:59:44 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 12:59:44 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 12:59:44 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2023 12:59:44 AM
Surr: 4-Bromofluorobenzene	94.8	39.1-146		%Rec	1	12/9/2023 12:59:44 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	67	60		mg/Kg	20	12/8/2023 8:48:45 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-148 0-4'
Project: Prometheus
Collection Date: 12/2/2023 9:30:00 AM
Lab ID: 2312259-025 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/8/2023 8:54:01 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2023 8:54:01 PM
Surr: DNOP	83.0	69-147		%Rec	1	12/8/2023 8:54:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/9/2023 1:22:54 AM
Surr: BFB	90.8	15-244		%Rec	1	12/9/2023 1:22:54 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/9/2023 1:22:54 AM
Toluene	ND	0.050		mg/Kg	1	12/9/2023 1:22:54 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/9/2023 1:22:54 AM
Xylenes, Total	ND	0.10		mg/Kg	1	12/9/2023 1:22:54 AM
Surr: 4-Bromofluorobenzene	93.6	39.1-146		%Rec	1	12/9/2023 1:22:54 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	59		mg/Kg	20	12/8/2023 9:03:54 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-149 0-4'
Project: Prometheus
Collection Date: 12/2/2023 9:35:00 AM
Lab ID: 2312259-026 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/8/2023 9:04:36 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/8/2023 9:04:36 PM
Surr: DNOP	85.8	69-147		%Rec	1	12/8/2023 9:04:36 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 1:46:04 AM
Surr: BFB	90.3	15-244		%Rec	1	12/9/2023 1:46:04 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 1:46:04 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 1:46:04 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 1:46:04 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/9/2023 1:46:04 AM
Surr: 4-Bromofluorobenzene	93.0	39.1-146		%Rec	1	12/9/2023 1:46:04 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	12/8/2023 9:19:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-150 0-4'
Project: Prometheus
Collection Date: 12/2/2023 9:40:00 AM
Lab ID: 2312259-027 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/8/2023 9:15:09 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2023 9:15:09 PM
Surr: DNOP	77.9	69-147		%Rec	1	12/8/2023 9:15:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/9/2023 2:09:13 AM
Surr: BFB	89.6	15-244		%Rec	1	12/9/2023 2:09:13 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 2:09:13 AM
Toluene	ND	0.047		mg/Kg	1	12/9/2023 2:09:13 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/9/2023 2:09:13 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/9/2023 2:09:13 AM
Surr: 4-Bromofluorobenzene	92.2	39.1-146		%Rec	1	12/9/2023 2:09:13 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	12/8/2023 9:34:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-130 4'
Project: Prometheus
Collection Date: 12/2/2023 12:00:00 PM
Lab ID: 2312259-028 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/8/2023 9:25:41 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/8/2023 9:25:41 PM
Surr: DNOP	86.8	69-147		%Rec	1	12/8/2023 9:25:41 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 2:32:19 AM
Surr: BFB	91.7	15-244		%Rec	1	12/9/2023 2:32:19 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 2:32:19 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 2:32:19 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 2:32:19 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2023 2:32:19 AM
Surr: 4-Bromofluorobenzene	95.2	39.1-146		%Rec	1	12/9/2023 2:32:19 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	1900	60		mg/Kg	20	12/8/2023 9:49:23 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-131 4'
Project: Prometheus
Collection Date: 12/2/2023 12:05:00 PM
Lab ID: 2312259-029 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	12/8/2023 9:46:32 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/8/2023 9:46:32 PM
Surr: DNOP	77.8	69-147		%Rec	1	12/8/2023 9:46:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 2:55:24 AM
Surr: BFB	89.4	15-244		%Rec	1	12/9/2023 2:55:24 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 2:55:24 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 2:55:24 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 2:55:24 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/9/2023 2:55:24 AM
Surr: 4-Bromofluorobenzene	92.9	39.1-146		%Rec	1	12/9/2023 2:55:24 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2500	150		mg/Kg	50	12/11/2023 10:18:07 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-132 4'
Project: Prometheus
Collection Date: 12/2/2023 12:10:00 PM
Lab ID: 2312259-030 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/8/2023 9:57:01 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 9:57:01 PM
Surr: DNOP	82.8	69-147		%Rec	1	12/8/2023 9:57:01 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 3:18:28 AM
Surr: BFB	89.9	15-244		%Rec	1	12/9/2023 3:18:28 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 3:18:28 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 3:18:28 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 3:18:28 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2023 3:18:28 AM
Surr: 4-Bromofluorobenzene	93.8	39.1-146		%Rec	1	12/9/2023 3:18:28 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	1600	60		mg/Kg	20	12/8/2023 10:19:41 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-133 4'
Project: Prometheus
Collection Date: 12/2/2023 12:15:00 PM
Lab ID: 2312259-031 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/8/2023 10:07:30 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/8/2023 10:07:30 PM
Surr: DNOP	85.9	69-147		%Rec	1	12/8/2023 10:07:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/9/2023 4:04:35 AM
Surr: BFB	89.8	15-244		%Rec	1	12/9/2023 4:04:35 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 4:04:35 AM
Toluene	ND	0.047		mg/Kg	1	12/9/2023 4:04:35 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/9/2023 4:04:35 AM
Xylenes, Total	ND	0.094		mg/Kg	1	12/9/2023 4:04:35 AM
Surr: 4-Bromofluorobenzene	93.8	39.1-146		%Rec	1	12/9/2023 4:04:35 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2900	150		mg/Kg	50	12/11/2023 10:33:16 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-134 4'
Project: Prometheus
Collection Date: 12/2/2023 12:20:00 PM
Lab ID: 2312259-032 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/8/2023 10:17:57 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/8/2023 10:17:57 PM
Surr: DNOP	70.5	69-147		%Rec	1	12/8/2023 10:17:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 4:27:41 AM
Surr: BFB	89.9	15-244		%Rec	1	12/9/2023 4:27:41 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 4:27:41 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 4:27:41 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 4:27:41 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2023 4:27:41 AM
Surr: 4-Bromofluorobenzene	94.0	39.1-146		%Rec	1	12/9/2023 4:27:41 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	4400	150		mg/Kg	50	12/12/2023 4:30:35 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-135 4'
Project: Prometheus
Collection Date: 12/2/2023 12:25:00 PM
Lab ID: 2312259-033 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/11/2023 11:52:08 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/11/2023 11:52:08 AM
Surr: DNOP	95.0	69-147		%Rec	1	12/11/2023 11:52:08 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 4:50:42 AM
Surr: BFB	90.5	15-244		%Rec	1	12/9/2023 4:50:42 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/9/2023 4:50:42 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 4:50:42 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 4:50:42 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/9/2023 4:50:42 AM
Surr: 4-Bromofluorobenzene	95.0	39.1-146		%Rec	1	12/9/2023 4:50:42 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2300	150		mg/Kg	50	12/12/2023 5:07:49 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-136 4'
Project: Prometheus
Collection Date: 12/2/2023 12:30:00 PM
Lab ID: 2312259-034 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/8/2023 10:38:48 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 10:38:48 PM
Surr: DNOP	82.7	69-147		%Rec	1	12/8/2023 10:38:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 5:13:43 AM
Surr: BFB	91.7	15-244		%Rec	1	12/9/2023 5:13:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 5:13:43 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 5:13:43 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 5:13:43 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2023 5:13:43 AM
Surr: 4-Bromofluorobenzene	95.9	39.1-146		%Rec	1	12/9/2023 5:13:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2000	60		mg/Kg	20	12/8/2023 3:23:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-137 4'
Project: Prometheus
Collection Date: 12/2/2023 2:10:00 PM
Lab ID: 2312259-035 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/11/2023 12:15:49 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/11/2023 12:15:49 PM
Surr: DNOP	95.1	69-147		%Rec	1	12/11/2023 12:15:49 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 5:36:46 AM
Surr: BFB	88.9	15-244		%Rec	1	12/9/2023 5:36:46 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 5:36:46 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 5:36:46 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 5:36:46 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/9/2023 5:36:46 AM
Surr: 4-Bromofluorobenzene	93.7	39.1-146		%Rec	1	12/9/2023 5:36:46 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	12/8/2023 3:35:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-138 4'
Project: Prometheus
Collection Date: 12/2/2023 2:05:00 PM
Lab ID: 2312259-036 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/8/2023 10:59:35 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 10:59:35 PM
Surr: DNOP	78.7	69-147		%Rec	1	12/8/2023 10:59:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 5:59:44 AM
Surr: BFB	98.1	15-244		%Rec	1	12/9/2023 5:59:44 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/9/2023 5:59:44 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 5:59:44 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 5:59:44 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/9/2023 5:59:44 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	12/9/2023 5:59:44 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	240	60		mg/Kg	20	12/8/2023 3:47:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-139 4'
Project: Prometheus
Collection Date: 12/2/2023 1:55:00 PM
Lab ID: 2312259-037 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/8/2023 11:09:57 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 11:09:57 PM
Surr: DNOP	84.4	69-147		%Rec	1	12/8/2023 11:09:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 6:22:44 AM
Surr: BFB	87.6	15-244		%Rec	1	12/9/2023 6:22:44 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 6:22:44 AM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 6:22:44 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 6:22:44 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2023 6:22:44 AM
Surr: 4-Bromofluorobenzene	93.3	39.1-146		%Rec	1	12/9/2023 6:22:44 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	440	60		mg/Kg	20	12/8/2023 4:00:14 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-140 4'
Project: Prometheus
Collection Date: 12/2/2023 2:00:00 PM
Lab ID: 2312259-038 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/11/2023 12:39:32 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/11/2023 12:39:32 PM
Surr: DNOP	83.3	69-147		%Rec	1	12/11/2023 12:39:32 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/9/2023 6:45:42 AM
Surr: BFB	86.8	15-244		%Rec	1	12/9/2023 6:45:42 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/9/2023 6:45:42 AM
Toluene	ND	0.050		mg/Kg	1	12/9/2023 6:45:42 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/9/2023 6:45:42 AM
Xylenes, Total	ND	0.10		mg/Kg	1	12/9/2023 6:45:42 AM
Surr: 4-Bromofluorobenzene	92.6	39.1-146		%Rec	1	12/9/2023 6:45:42 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	560	60		mg/Kg	20	12/8/2023 4:12:39 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-141 4'
Project: Prometheus
Collection Date: 12/2/2023 1:50:00 PM
Lab ID: 2312259-039 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/8/2023 11:30:38 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/8/2023 11:30:38 PM
Surr: DNOP	75.0	69-147		%Rec	1	12/8/2023 11:30:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/9/2023 7:08:42 AM
Surr: BFB	85.6	15-244		%Rec	1	12/9/2023 7:08:42 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/9/2023 7:08:42 AM
Toluene	ND	0.046		mg/Kg	1	12/9/2023 7:08:42 AM
Ethylbenzene	ND	0.046		mg/Kg	1	12/9/2023 7:08:42 AM
Xylenes, Total	ND	0.092		mg/Kg	1	12/9/2023 7:08:42 AM
Surr: 4-Bromofluorobenzene	91.3	39.1-146		%Rec	1	12/9/2023 7:08:42 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1500	60		mg/Kg	20	12/8/2023 4:25:03 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-142 4'
Project: Prometheus
Collection Date: 12/2/2023 1:40:00 PM
Lab ID: 2312259-040 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/8/2023 11:40:57 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 11:40:57 PM
Surr: DNOP	71.0	69-147		%Rec	1	12/8/2023 11:40:57 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 7:31:43 AM
Surr: BFB	87.7	15-244		%Rec	1	12/9/2023 7:31:43 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 7:31:43 AM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 7:31:43 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 7:31:43 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/9/2023 7:31:43 AM
Surr: 4-Bromofluorobenzene	92.8	39.1-146		%Rec	1	12/9/2023 7:31:43 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2000	60		mg/Kg	20	12/8/2023 5:02:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-143 4'
Project: Prometheus
Collection Date: 12/2/2023 1:30:00 PM
Lab ID: 2312259-041 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/8/2023 11:43:43 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/8/2023 11:43:43 PM
Surr: DNOP	83.1	69-147		%Rec	1	12/8/2023 11:43:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/8/2023 3:29:00 PM
Surr: BFB	103	15-244		%Rec	1	12/8/2023 3:29:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/8/2023 3:29:00 PM
Toluene	ND	0.047		mg/Kg	1	12/8/2023 3:29:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2023 3:29:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/8/2023 3:29:00 PM
Surr: 4-Bromofluorobenzene	96.6	39.1-146		%Rec	1	12/8/2023 3:29:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	960	60		mg/Kg	20	12/8/2023 6:04:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-144 4'
Project: Prometheus
Collection Date: 12/2/2023 1:25:00 PM
Lab ID: 2312259-042 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	12/9/2023 12:30:20 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/9/2023 12:30:20 AM
Surr: DNOP	94.8	69-147		%Rec	1	12/9/2023 12:30:20 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/8/2023 3:51:00 PM
Surr: BFB	102	15-244		%Rec	1	12/8/2023 3:51:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/8/2023 3:51:00 PM
Toluene	ND	0.049		mg/Kg	1	12/8/2023 3:51:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/8/2023 3:51:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/8/2023 3:51:00 PM
Surr: 4-Bromofluorobenzene	94.8	39.1-146		%Rec	1	12/8/2023 3:51:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	5700	300		mg/Kg	100	12/12/2023 5:20:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-145 4'
Project: Prometheus
Collection Date: 12/2/2023 1:20:00 PM
Lab ID: 2312259-043 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/9/2023 12:53:41 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/9/2023 12:53:41 AM
Surr: DNOP	101	69-147		%Rec	1	12/9/2023 12:53:41 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 4:13:00 PM
Surr: BFB	101	15-244		%Rec	1	12/8/2023 4:13:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 4:13:00 PM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 4:13:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 4:13:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/8/2023 4:13:00 PM
Surr: 4-Bromofluorobenzene	95.9	39.1-146		%Rec	1	12/8/2023 4:13:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2500	150		mg/Kg	50	12/12/2023 5:32:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-146 4'
Project: Prometheus
Collection Date: 12/2/2023 1:15:00 PM
Lab ID: 2312259-044 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/9/2023 1:16:57 AM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/9/2023 1:16:57 AM
Surr: DNOP	93.9	69-147		%Rec	1	12/9/2023 1:16:57 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 4:34:00 PM
Surr: BFB	100	15-244		%Rec	1	12/8/2023 4:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 4:34:00 PM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 4:34:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 4:34:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/8/2023 4:34:00 PM
Surr: 4-Bromofluorobenzene	96.1	39.1-146		%Rec	1	12/8/2023 4:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	6100	300		mg/Kg	100	12/12/2023 5:45:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-147 4'
Project: Prometheus
Collection Date: 12/2/2023 1:10:00 PM
Lab ID: 2312259-045 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/9/2023 1:40:15 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/9/2023 1:40:15 AM
Surr: DNOP	84.5	69-147		%Rec	1	12/9/2023 1:40:15 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 4:56:00 PM
Surr: BFB	100	15-244		%Rec	1	12/8/2023 4:56:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 4:56:00 PM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 4:56:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 4:56:00 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/8/2023 4:56:00 PM
Surr: 4-Bromofluorobenzene	95.0	39.1-146		%Rec	1	12/8/2023 4:56:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2100	60		mg/Kg	20	12/8/2023 6:53:58 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-148 4'
Project: Prometheus
Collection Date: 12/2/2023 1:05:00 PM
Lab ID: 2312259-046 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/9/2023 2:03:34 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/9/2023 2:03:34 AM
Surr: DNOP	85.2	69-147		%Rec	1	12/9/2023 2:03:34 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/8/2023 5:18:00 PM
Surr: BFB	102	15-244		%Rec	1	12/8/2023 5:18:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	12/8/2023 5:18:00 PM
Toluene	ND	0.046		mg/Kg	1	12/8/2023 5:18:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/8/2023 5:18:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	12/8/2023 5:18:00 PM
Surr: 4-Bromofluorobenzene	95.3	39.1-146		%Rec	1	12/8/2023 5:18:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	4400	150		mg/Kg	50	12/12/2023 5:57:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-149 4'
Project: Prometheus
Collection Date: 12/2/2023 1:00:00 PM
Lab ID: 2312259-047 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/9/2023 2:26:54 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/9/2023 2:26:54 AM
Surr: DNOP	106	69-147		%Rec	1	12/9/2023 2:26:54 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 6:01:00 PM
Surr: BFB	98.0	15-244		%Rec	1	12/8/2023 6:01:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 6:01:00 PM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 6:01:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 6:01:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/8/2023 6:01:00 PM
Surr: 4-Bromofluorobenzene	96.8	39.1-146		%Rec	1	12/8/2023 6:01:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	4700	150		mg/Kg	50	12/12/2023 6:09:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-150 4'
Project: Prometheus
Collection Date: 12/2/2023 12:55:00 PM
Lab ID: 2312259-048 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/9/2023 2:50:16 AM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/9/2023 2:50:16 AM
Surr: DNOP	93.5	69-147		%Rec	1	12/9/2023 2:50:16 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 6:23:00 PM
Surr: BFB	99.2	15-244		%Rec	1	12/8/2023 6:23:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 6:23:00 PM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 6:23:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 6:23:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/8/2023 6:23:00 PM
Surr: 4-Bromofluorobenzene	96.3	39.1-146		%Rec	1	12/8/2023 6:23:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	6900	300		mg/Kg	100	12/12/2023 6:22:15 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-151 4'
Project: Prometheus
Collection Date: 12/2/2023 12:45:00 PM
Lab ID: 2312259-049 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/9/2023 3:13:36 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/9/2023 3:13:36 AM
Surr: DNOP	113	69-147		%Rec	1	12/9/2023 3:13:36 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/8/2023 6:45:00 PM
Surr: BFB	102	15-244		%Rec	1	12/8/2023 6:45:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	12/8/2023 6:45:00 PM
Toluene	ND	0.049		mg/Kg	1	12/8/2023 6:45:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/8/2023 6:45:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/8/2023 6:45:00 PM
Surr: 4-Bromofluorobenzene	97.0	39.1-146		%Rec	1	12/8/2023 6:45:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	5700	300		mg/Kg	100	12/12/2023 6:34:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-152 4'
Project: Prometheus
Collection Date: 12/2/2023 12:40:00 PM
Lab ID: 2312259-050 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/9/2023 3:36:52 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/9/2023 3:36:52 AM
Surr: DNOP	102	69-147		%Rec	1	12/9/2023 3:36:52 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/8/2023 7:07:00 PM
Surr: BFB	101	15-244		%Rec	1	12/8/2023 7:07:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 7:07:00 PM
Toluene	ND	0.047		mg/Kg	1	12/8/2023 7:07:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2023 7:07:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/8/2023 7:07:00 PM
Surr: 4-Bromofluorobenzene	97.4	39.1-146		%Rec	1	12/8/2023 7:07:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1600	60		mg/Kg	20	12/8/2023 8:20:50 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312259**
Date Reported: **12/18/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-153 4'
Project: Prometheus
Collection Date: 12/2/2023 12:35:00 PM
Lab ID: 2312259-051 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/9/2023 4:00:08 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/9/2023 4:00:08 AM
Surr: DNOP	102	69-147		%Rec	1	12/9/2023 4:00:08 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 9:21:00 PM
Surr: BFB	204	15-244		%Rec	1	12/9/2023 9:21:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 9:21:00 PM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 9:21:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 9:21:00 PM
Xylenes, Total	ND	0.098		mg/Kg	1	12/9/2023 9:21:00 PM
Surr: 4-Bromofluorobenzene	197	39.1-146	S	%Rec	1	12/9/2023 9:21:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	3300	150		mg/Kg	50	12/12/2023 6:47:04 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312259**

18-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79248**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **79248**	RunNo: **101711**							
Prep Date: **12/8/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747629**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.7	90	110			

Sample ID: **MB-79248**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **79248**	RunNo: **101711**							
Prep Date: **12/8/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747630**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **MB-79232**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **79232**	RunNo: **101713**							
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749594**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79232**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **79232**	RunNo: **101713**							
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749595**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Sample ID: **MB-79253**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **79253**	RunNo: **101713**							
Prep Date: **12/8/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749624**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79253**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **79253**	RunNo: **101713**							
Prep Date: **12/8/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749625**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312259**

18-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79197**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79197**	RunNo: **101694**
Prep Date: **12/6/2023**	Analysis Date: **12/7/2023**	SeqNo: **3746979** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.4	61.9	130			
Surr: DNOP	4.2		5.000		84.5	69	147			

Sample ID: **MB-79197**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79197**	RunNo: **101694**
Prep Date: **12/6/2023**	Analysis Date: **12/7/2023**	SeqNo: **3746981** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.8	69	147			

Sample ID: **MB-79225**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79225**	RunNo: **101708**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748668** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		94.8	69	147			

Sample ID: **LCS-79225**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79225**	RunNo: **101708**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748669** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	110	61.9	130			
Surr: DNOP	4.7		5.000		94.5	69	147			

Sample ID: **2312259-021AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-144 0-4'**	Batch ID: **79224**	RunNo: **101710**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749065** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.4	47.13	0	88.2	54.2	135			
Surr: DNOP	4.0		4.713		85.2	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312259**

18-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312259-021AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-144 0-4'**	Batch ID: **79224**	RunNo: **101710**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749066** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.4	46.95	0	97.5	54.2	135	9.59	29.2	
Surr: DNOP	4.4		4.695		94.4	69	147	0	0	

Sample ID: **LCS-79224**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79224**	RunNo: **101710**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749105** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	86.4	61.9	130			
Surr: DNOP	4.0		5.000		80.0	69	147			

Sample ID: **MB-79224**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79224**	RunNo: **101710**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749106** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		78.3	69	147			

Sample ID: **2312259-020AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-143 0-4'**	Batch ID: **79197**	RunNo: **101710**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749141** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	10	49.75	0	75.1	54.2	135			
Surr: DNOP	3.7		4.975		75.0	69	147			

Sample ID: **2312259-020AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-143 0-4'**	Batch ID: **79197**	RunNo: **101710**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749142** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	9.7	48.40	0	75.4	54.2	135	2.40	29.2	
Surr: DNOP	3.7		4.840		77.1	69	147	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312259**

18-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79208**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79208**	RunNo: **101720**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747961** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	70	130			
Surr: BFB	2300		1000		228	15	244			

Sample ID: **mb-79208**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79208**	RunNo: **101720**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747962** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	15	244			

Sample ID: **lcs-79192**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79192**	RunNo: **101720**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747985** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.0	70	130			
Surr: BFB	2100		1000		209	15	244			

Sample ID: **mb-79192**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79192**	RunNo: **101720**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747986** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	15	244			

Sample ID: **2312259-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-88 0-4'**	Batch ID: **79192**	RunNo: **101720**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747988** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.8	23.90	0	85.5	70	130			
Surr: BFB	2100		956.0		221	15	244			

Sample ID: **2312259-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-88 0-4'**	Batch ID: **79192**	RunNo: **101720**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747989** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312259**

18-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312259-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **WS23-88 0-4'**	Batch ID: **79192**	RunNo: **101720**							
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747989**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	19	4.8	23.95	0	79.2	70	130	7.39	20	
Surr: BFB	2000		957.9		212	15	244	0	0	

Sample ID: **lcs-79218**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **79218**	RunNo: **101726**							
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748210**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.8	70	130			
Surr: BFB	2100		1000		211	15	244			

Sample ID: **mb-79218**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **PBS**	Batch ID: **79218**	RunNo: **101726**							
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748211**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	15	244			

Sample ID: **2312259-051ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BS23-153 4'**	Batch ID: **79218**	RunNo: **101726**							
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748213**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.27	0	101	70	130			
Surr: BFB	2200		970.9		222	15	244			

Sample ID: **2312259-051amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **BS23-153 4'**	Batch ID: **79218**	RunNo: **101726**							
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748214**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.22	0	99.0	70	130	2.11	20	
Surr: BFB	2100		969.0		218	15	244	0	0	

Sample ID: **2312259-021ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **WS23-144 0-4'**	Batch ID: **79198**	RunNo: **101707**							
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748602**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312259**

18-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312259-021ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-144 0-4'**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748602** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.79	0	102	70	130			
Surr: BFB	1900		951.5		205	15	244			

Sample ID: **2312259-021amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-144 0-4'**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748603** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	23.81	0	103	70	130	1.23	20	
Surr: BFB	2000		952.4		205	15	244	0	0	

Sample ID: **lcs-79198**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748648** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.7	70	130			
Surr: BFB	2000		1000		200	15	244			

Sample ID: **mb-79198**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748650** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.3	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312259**

18-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79208**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79208**	RunNo: **101720**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748014** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.4	70	130			
Toluene	0.88	0.050	1.000	0	88.2	70	130			
Ethylbenzene	0.90	0.050	1.000	0	89.6	70	130			
Xylenes, Total	2.7	0.10	3.000	0	90.1	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.8	39.1	146			

Sample ID: **mb-79208**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79208**	RunNo: **101720**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748015** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.6	39.1	146			

Sample ID: **lcs-79192**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79192**	RunNo: **101720**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748029** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.9	70	130			
Toluene	0.91	0.050	1.000	0	90.9	70	130			
Ethylbenzene	0.92	0.050	1.000	0	92.5	70	130			
Xylenes, Total	2.8	0.10	3.000	0	92.8	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.3	39.1	146			

Sample ID: **mb-79192**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79192**	RunNo: **101720**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748030** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.97		1.000		96.7	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312259**

18-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312259-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-89 0-4'**	Batch ID: **79192**	RunNo: **101720**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748033** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9671	0	92.0	70	130			
Toluene	0.90	0.048	0.9671	0	93.5	70	130			
Ethylbenzene	0.92	0.048	0.9671	0	94.6	70	130			
Xylenes, Total	2.7	0.097	2.901	0	94.5	70	130			
Surr: 4-Bromofluorobenzene	0.93		0.9671		96.6	39.1	146			

Sample ID: **2312259-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-89 0-4'**	Batch ID: **79192**	RunNo: **101720**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748034** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9709	0	91.3	70	130	0.419	20	
Toluene	0.89	0.049	0.9709	0	92.0	70	130	1.21	20	
Ethylbenzene	0.92	0.049	0.9709	0	94.4	70	130	0.126	20	
Xylenes, Total	2.7	0.097	2.913	0	94.4	70	130	0.282	20	
Surr: 4-Bromofluorobenzene	0.93		0.9709		95.4	39.1	146	0	0	

Sample ID: **lcs-79218**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79218**	RunNo: **101726**
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748264** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	89.6	70	130			
Toluene	0.91	0.050	1.000	0	90.9	70	130			
Ethylbenzene	0.92	0.050	1.000	0	91.8	70	130			
Xylenes, Total	2.8	0.10	3.000	0	92.0	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		97.7	39.1	146			

Sample ID: **mb-79218**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79218**	RunNo: **101726**
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748265** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.4	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312259**

18-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79198**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748699** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	70	130			
Toluene	0.94	0.050	1.000	0	93.8	70	130			
Ethylbenzene	0.94	0.050	1.000	0	94.3	70	130			
Xylenes, Total	2.8	0.10	3.000	0	94.5	70	130			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	39.1	146			

Sample ID: **mb-79198**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748701** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	39.1	146			

Sample ID: **2312259-022ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-145 0-4'**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748707** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9452	0	92.0	70	130			
Toluene	0.88	0.047	0.9452	0	93.0	70	130			
Ethylbenzene	0.89	0.047	0.9452	0	94.1	70	130			
Xylenes, Total	2.7	0.095	2.836	0	94.0	70	130			
Surr: 4-Bromofluorobenzene	0.92		0.9452		97.3	39.1	146			

Sample ID: **2312259-022amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-145 0-4'**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748708** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9524	0	92.6	70	130	1.47	20	
Toluene	0.90	0.048	0.9524	0	94.2	70	130	2.04	20	
Ethylbenzene	0.90	0.048	0.9524	0	94.8	70	130	1.51	20	
Xylenes, Total	2.7	0.095	2.857	0	94.9	70	130	1.73	20	
Surr: 4-Bromofluorobenzene	0.93		0.9524		97.2	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2312259 | RcptNo: 1

Received By: Tracy Casarrubias 12/6/2023 7:45:00 AM

Completed By: Tracy Casarrubias 12/6/2023 8:48:29 AM

Reviewed By: JM 12-6-23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JM 12/6/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Mailing address and phone number are missing on COC- TMC 12/6/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.6	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 2312259

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Project Manager:	Michael Moffitt	Bill to: (If different)	
Company Name:	Vertex on File	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	MMoffitt@vertex.ca, SCarthar@vertex.ca

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Prometheus	Turn Around	
Project Number:	[redacted] 23E-03329	☐ Routine ☒ Rush	
Project Location:	Ace Fluid Solutions	Due Date:	72-hr Rush
Sampler's Name:	L Pullman	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	409
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.8
Total Containers:	1	Corrected Temperature:	4.6

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

ANALYSIS REQUEST

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	TPH (GRO, DRO, MRO)	BTEX	Chloride	Sample Comments
WS23-88 0-4'	Soil	12-2-23	11:05	0-4'	Comp	1	X	X	X	001
WS23-89 0-4'			11:00	0-4'		1				002
WS23-90 0-4'			10:55	0-4'		1				003
WS23-92 0-4'			08:50	0-4'		1				004
WS23-93 0-4'			08:55	0-4'		1				005
WS23-94 0-4'			09:00	0-4'		1				006
WS23-95 0-4'			10:50	0-4'		1				007
WS23-131 0-4'			10:00	0-4'		1				008
WS23-132 0-4'			10:05	0-4'		1				009
WS23-133 0-4'			10:10	0-4'		1	X	X	X	010

~~2312259~~ TMC 12/6/23

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 12-4-23, 0700, [redacted]	[redacted]	12/5/23 0700	2 [redacted]	[redacted]	12/6/23 7:45
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 7312259

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Project Manager:	Michael Moffitt	Bill to: (if different)	
Company Name:	Vertex	Company Name:	
Address:	on file	Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	MMoffitt@vertex.ca, SCarlton@vertex.ca

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Prometheus	Turn Around	
Project Number:	22E-03329	☐ Routine ☒ Rush	
Project Location:	Ace Fluid Solutions	Due Date: 72-hr Rush	
Sampler's Name:	L. Pullman	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	400i
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.8
Total Containers:	1	Corrected Temperature:	4.6 °C

ANALYSIS REQUEST

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH (GRO, DRO, MRO)	BTEX	Chloride	Sample Comments
WS23-134 0-4'	Soil	12-2-23	10:15	0-4'	Comp	1		X	X	X	011
WS23-135 0-4'			10:25	0-4'		1					012
WS23-136 0-4'			10:30	0-4'		1					013
WS23-137 0-4'			10:35	0-4'		1					014
WS23-138 0-4'			10:40	0-4'		1					015
WS23-139 0-4'			08:30	0-4'		1					016
WS23-140 0-4'			08:35	0-4'		1					017
WS23-141 0-4'			08:40	0-4'		1					018
WS23-142 0-4'			08:45	0-4'		1					019
WS23-143 0-4'			09:05	0-4'		1		X	X	X	020

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn

Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 12-4-23 07:00 Lola Pullman		12/5/23 0700	2	courier	12/6/23 7:45
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

Chain of Custody

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Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

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Work Order No: 2312259

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Project Manager:	MMoffatt Michael Moffatt	Bill to: (If different)	
Company Name:	Vertex on file	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	MMoffatt@vertex.ca, SCarthar@vertex.ca

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Prometheus	Turn Around	
Project Number:	23E-03329	☐ Routine ☒ Rush	
Project Location:	Ace Fluid Solutions	Due Date: 72-hr Rush	
Sampler's Name:	L. Pullman	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	140	
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.8	
Total Containers:	1	Corrected Temperature:	4.6	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: TPH (GRO, DRO, MRO)	Parameters: BTEX	Parameters: Chloride	Sample Comments (2312259 mm 12/6/23)
WS23-144 0-4'	Soil	12-2-23	09:10	0-4'	Comp	1	X	X	X	021
WS23-145 0-4'			09:15	0-4'		1				022
WS23-146 0-4'			09:20	0-4'		1				023
WS23-147 0-4'			09:25	0-4'		1				024
WS23-148 0-4'			09:30	0-4'		1				025
WS23-149 0-4'			09:35	0-4'		1				026
WS23-150 0-4'			09:40	0-4'		1				027
BS23-130 4'	Soil	12-2-23	12:00	4'		1				028
BS23-131 4'			12:05	4'		1				029
BS23-132 4'			12:10	4'		1	X	X	X	030

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	12-4-23, 07:00, John Pullman		12/5/23 0700	2		12/4/23 7:45
3				4	courier	
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 2312259

www.xenco.com Page 4 of 6

Project Manager:	Michael Moffitt	Bill to: (if different)	
Company Name:	Vertex on Site	Company Name:	
Address:		Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	MMoffitt@vertex.ca, SCarthar@vertex.ca

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Prometheus	Turn Around	☐ Routine ☒ Rush
Project Number:	23E-03329	Due Date:	72-hr Rush
Project Location:	Ace Fluid Solutions	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	L. Pullman		
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	409
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.8
Total Containers:	1	Corrected Temperature:	4.6

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: $NaSO_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH (GRO, DRO, MRO)	Parameters: BTEX	Parameters: Chloride	Sample Comments
BS23-133 4'	Soil	12-2-23	12:15	4'	Comp	1		X	X	X	031
BS23-134 4'			12:20	4'		1					032
BS23-135 4'			12:25	4'		1					033
BS23-136 4'			12:30	4'		1					034
BS23-137 4'			14:40	4'		1					035
BS23-138 4'			14:05	4'		1					036
BS23-139 4'			13:55	4'		1					037
BS23-140 4'			14:00	4'		1					038
BS23-141 4'			13:50	4'		1					039
BS23-142 4'			13:40	4'		1		X	X	X	040

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 12-4-23, 07:00, Lucas Pullman		12/5/23 0700	2		12/6/23 7:45
3			4	courier	
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 2312259

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Project Manager:	Mr. Michael Moffitt	Bill to: (if different)	
Company Name:	Vertex	Company Name:	
Address:	On file	Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	MMoffitt@vertex.ca, SCarlton@vertex.ca

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Prometheus	Turn Around	
Project Number:	23E-03329	☐ Routine ☒ Rush	
Project Location:	Ace Plug Schistons	Due Date: 72-hr Rush	
Sampler's Name:	L Pullman	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT			
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No
Samples Received Intact:	(Yes) No	Thermometer ID:	409
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	-0.2
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.8
Total Containers:	1	Corrected Temperature:	4.6

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH (GRO, DRO, MRO)	BTEX	Chloride	Sample Comments
BS23-143 4'	Soil	12-2-23	13:30	4'	Comp	1		X	X	X	2312259
BS23-144 4'			13:25	4'		1					041
BS23-145 4'			13:20	4'		1					042
BS23-146 4'			13:15	4'		1					043
BS23-147 4'			13:10	4'		1					044
BS23-148 4'			13:05	4'		1					045
BS23-149 4'			13:00	4'		1					046
BS23-150 4'			12:55	4'		1					047
BS23-151 4'			12:45	4'		1					048
BS23-152 4'			12:40	4'		1		X	X	X	049
											050

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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	Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1	12-4-23 07:00 L Pullman		12/5/23 0100	2		12/6/23 7:45
3				4	courier	
5				6		

Revised Date: 08/25/2020 Rev. 2020.2

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EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 2312259

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Project Manager:	Michael Moffitt	Bill to: (if different)	
Company Name:	Vertex	Company Name:	
Address:	on File	Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	MMoffitt@vertex.ca, SCarthar@vertex.ca

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Prometheus	Turn Around	
Project Number:	23E-03229	☐ Routine ☒ Rush	
Project Location:	Ace Fluid Solutions	Due Date: 72hr Rush	
Sampler's Name:	L. Aulman	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT				
Temp Blank:	Yes (No)	Wet Ice:	(Yes) No	
Samples Received Intact:	(Yes) No	Thermometer ID:	409	
Cooler Custody Seals:	(Yes) No N/A	Correction Factor:	-0.2	
Sample Custody Seals:	Yes No (N/A)	Temperature Reading:	4.8	
Total Containers:	1	Corrected Temperature:	4.6	

Preservative Codes

None: NO; DI Water: H_2O; Cool: Cool; MeOH: Me; HCL: HC; HNO_3: HN; H_2SO_4: H_2; NaOH: Na; H_3PO_4: HP; $NaHSO_4$: NABIS; $Na_2S_2O_3$: NaSO$_3$; Zn Acetate+NaOH: Zn; NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	TPH (GRO, DRO, MRO)	BTEX	Chloride	Sample Comments
BS23-153 4'	Soil	12-1-23	12:35	4'	Comp	1		X	X	X	2312259 PM(13) OS1

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 12-4-23 07:00		12/5/23 0100	2	courier	12/6/23 7:45
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 14, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2312262

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 16 sample(s) on 12/6/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-125 0-4'
Project: Prometheus
Collection Date: 12/1/2023 8:10:00 AM
Lab ID: 2312262-001 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/8/2023 4:16:09 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/8/2023 4:16:09 PM
Surr: DNOP	82.1	69-147		%Rec	1	12/8/2023 4:16:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/7/2023 10:06:15 PM
Surr: BFB	94.3	15-244		%Rec	1	12/7/2023 10:06:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/7/2023 10:06:15 PM
Toluene	ND	0.048		mg/Kg	1	12/7/2023 10:06:15 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/7/2023 10:06:15 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/7/2023 10:06:15 PM
Surr: 4-Bromofluorobenzene	94.2	39.1-146		%Rec	1	12/7/2023 10:06:15 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	67	61		mg/Kg	20	12/8/2023 11:50:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-126 0-4'
Project: Prometheus
Collection Date: 12/1/2023 8:15:00 AM
Lab ID: 2312262-002 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/8/2023 4:26:54 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 4:26:54 PM
Surr: DNOP	92.9	69-147		%Rec	1	12/8/2023 4:26:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/7/2023 11:16:26 PM
Surr: BFB	95.6	15-244		%Rec	1	12/7/2023 11:16:26 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/7/2023 11:16:26 PM
Toluene	ND	0.046		mg/Kg	1	12/7/2023 11:16:26 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/7/2023 11:16:26 PM
Xylenes, Total	ND	0.092		mg/Kg	1	12/7/2023 11:16:26 PM
Surr: 4-Bromofluorobenzene	95.1	39.1-146		%Rec	1	12/7/2023 11:16:26 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	85	60		mg/Kg	20	12/9/2023 12:36:17 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-127 0-4'
Project: Prometheus
Collection Date: 12/1/2023 12:30:00 PM
Lab ID: 2312262-003 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	12/8/2023 4:37:38 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/8/2023 4:37:38 PM
Surr: DNOP	84.6	69-147		%Rec	1	12/8/2023 4:37:38 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/7/2023 11:39:52 PM
Surr: BFB	95.2	15-244		%Rec	1	12/7/2023 11:39:52 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/7/2023 11:39:52 PM
Toluene	ND	0.047		mg/Kg	1	12/7/2023 11:39:52 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/7/2023 11:39:52 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/7/2023 11:39:52 PM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	12/7/2023 11:39:52 PM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	190	60		mg/Kg	20	12/9/2023 1:21:45 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-128 0-4'
Project: Prometheus
Collection Date: 12/1/2023 12:35:00 PM
Lab ID: 2312262-004 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/8/2023 4:48:23 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/8/2023 4:48:23 PM
Surr: DNOP	88.4	69-147		%Rec	1	12/8/2023 4:48:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/8/2023 12:03:23 AM
Surr: BFB	97.3	15-244		%Rec	1	12/8/2023 12:03:23 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/8/2023 12:03:23 AM
Toluene	ND	0.049		mg/Kg	1	12/8/2023 12:03:23 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/8/2023 12:03:23 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/8/2023 12:03:23 AM
Surr: 4-Bromofluorobenzene	97.3	39.1-146		%Rec	1	12/8/2023 12:03:23 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	250	60		mg/Kg	20	12/9/2023 1:36:55 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-129 0-4'
Project: Prometheus
Collection Date: 12/1/2023 12:40:00 PM
Lab ID: 2312262-005 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/8/2023 5:09:54 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/8/2023 5:09:54 PM
Surr: DNOP	159	69-147	S	%Rec	1	12/8/2023 5:09:54 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/8/2023 12:26:52 AM
Surr: BFB	95.1	15-244		%Rec	1	12/8/2023 12:26:52 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 12:26:52 AM
Toluene	ND	0.047		mg/Kg	1	12/8/2023 12:26:52 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2023 12:26:52 AM
Xylenes, Total	ND	0.095		mg/Kg	1	12/8/2023 12:26:52 AM
Surr: 4-Bromofluorobenzene	95.5	39.1-146		%Rec	1	12/8/2023 12:26:52 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	64	60		mg/Kg	20	12/9/2023 2:22:23 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-130 0-4'
Project: Prometheus
Collection Date: 12/1/2023 12:45:00 PM
Lab ID: 2312262-006 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/8/2023 5:20:39 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 5:20:39 PM
Surr: DNOP	85.1	69-147		%Rec	1	12/8/2023 5:20:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/8/2023 12:50:17 AM
Surr: BFB	93.4	15-244		%Rec	1	12/8/2023 12:50:17 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 12:50:17 AM
Toluene	ND	0.049		mg/Kg	1	12/8/2023 12:50:17 AM
Ethylbenzene	ND	0.049		mg/Kg	1	12/8/2023 12:50:17 AM
Xylenes, Total	ND	0.098		mg/Kg	1	12/8/2023 12:50:17 AM
Surr: 4-Bromofluorobenzene	94.6	39.1-146		%Rec	1	12/8/2023 12:50:17 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	110	60		mg/Kg	20	12/9/2023 2:37:32 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-120 4'
Project: Prometheus
Collection Date: 12/1/2023 2:30:00 PM
Lab ID: 2312262-007 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.5		mg/Kg	1	12/8/2023 5:31:34 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	12/8/2023 5:31:34 PM
Surr: DNOP	93.6	69-147		%Rec	1	12/8/2023 5:31:34 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/8/2023 1:13:38 AM
Surr: BFB	95.9	15-244		%Rec	1	12/8/2023 1:13:38 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/8/2023 1:13:38 AM
Toluene	ND	0.047		mg/Kg	1	12/8/2023 1:13:38 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2023 1:13:38 AM
Xylenes, Total	ND	0.093		mg/Kg	1	12/8/2023 1:13:38 AM
Surr: 4-Bromofluorobenzene	95.8	39.1-146		%Rec	1	12/8/2023 1:13:38 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	1100	60		mg/Kg	20	12/9/2023 2:52:41 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-121 4'
Project: Prometheus
Collection Date: 12/1/2023 2:35:00 PM
Lab ID: 2312262-008 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/8/2023 5:42:27 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 5:42:27 PM
Surr: DNOP	101	69-147		%Rec	1	12/8/2023 5:42:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/8/2023 1:37:01 AM
Surr: BFB	95.1	15-244		%Rec	1	12/8/2023 1:37:01 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/8/2023 1:37:01 AM
Toluene	ND	0.050		mg/Kg	1	12/8/2023 1:37:01 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/8/2023 1:37:01 AM
Xylenes, Total	ND	0.099		mg/Kg	1	12/8/2023 1:37:01 AM
Surr: 4-Bromofluorobenzene	96.0	39.1-146		%Rec	1	12/8/2023 1:37:01 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	ND	60		mg/Kg	20	12/9/2023 3:07:51 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-122 4'
Project: Prometheus
Collection Date: 12/1/2023 2:40:00 PM
Lab ID: 2312262-009 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	12/8/2023 5:53:18 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/8/2023 5:53:18 PM
Surr: DNOP	81.8	69-147		%Rec	1	12/8/2023 5:53:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 2:00:23 AM
Surr: BFB	97.7	15-244		%Rec	1	12/8/2023 2:00:23 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 2:00:23 AM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 2:00:23 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 2:00:23 AM
Xylenes, Total	ND	0.097		mg/Kg	1	12/8/2023 2:00:23 AM
Surr: 4-Bromofluorobenzene	98.0	39.1-146		%Rec	1	12/8/2023 2:00:23 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	3000	150		mg/Kg	50	12/11/2023 10:48:25 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-123 4'
Project: Prometheus
Collection Date: 12/1/2023 2:45:00 PM
Lab ID: 2312262-010 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	12/8/2023 6:04:08 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/8/2023 6:04:08 PM
Surr: DNOP	187	69-147	S	%Rec	1	12/8/2023 6:04:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/8/2023 2:47:09 AM
Surr: BFB	95.5	15-244		%Rec	1	12/8/2023 2:47:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/8/2023 2:47:09 AM
Toluene	ND	0.047		mg/Kg	1	12/8/2023 2:47:09 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2023 2:47:09 AM
Xylenes, Total	ND	0.094		mg/Kg	1	12/8/2023 2:47:09 AM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	12/8/2023 2:47:09 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	1300	60		mg/Kg	20	12/9/2023 3:38:10 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-124 4'
Project: Prometheus
Collection Date: 12/1/2023 2:50:00 PM
Lab ID: 2312262-011 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/8/2023 6:14:56 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/8/2023 6:14:56 PM
Surr: DNOP	197	69-147	S	%Rec	1	12/8/2023 6:14:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/8/2023 3:10:31 AM
Surr: BFB	97.0	15-244		%Rec	1	12/8/2023 3:10:31 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/8/2023 3:10:31 AM
Toluene	ND	0.047		mg/Kg	1	12/8/2023 3:10:31 AM
Ethylbenzene	ND	0.047		mg/Kg	1	12/8/2023 3:10:31 AM
Xylenes, Total	ND	0.093		mg/Kg	1	12/8/2023 3:10:31 AM
Surr: 4-Bromofluorobenzene	98.2	39.1-146		%Rec	1	12/8/2023 3:10:31 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	260	59		mg/Kg	20	12/9/2023 3:53:21 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-125 4'
Project: Prometheus
Collection Date: 12/1/2023 2:55:00 PM
Lab ID: 2312262-012 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.4		mg/Kg	1	12/8/2023 6:25:43 PM
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	12/8/2023 6:25:43 PM
Surr: DNOP	96.7	69-147		%Rec	1	12/8/2023 6:25:43 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	12/8/2023 3:33:48 AM
Surr: BFB	95.6	15-244		%Rec	1	12/8/2023 3:33:48 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/8/2023 3:33:48 AM
Toluene	ND	0.050		mg/Kg	1	12/8/2023 3:33:48 AM
Ethylbenzene	ND	0.050		mg/Kg	1	12/8/2023 3:33:48 AM
Xylenes, Total	ND	0.10		mg/Kg	1	12/8/2023 3:33:48 AM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	12/8/2023 3:33:48 AM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	2400	150		mg/Kg	50	12/11/2023 11:03:35 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-126 4'
Project: Prometheus
Collection Date: 12/1/2023 3:00:00 PM
Lab ID: 2312262-013 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	12/8/2023 6:36:27 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/8/2023 6:36:27 PM
Surr: DNOP	199	69-147	S	%Rec	1	12/8/2023 6:36:27 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 3:57:09 AM
Surr: BFB	94.6	15-244		%Rec	1	12/8/2023 3:57:09 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 3:57:09 AM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 3:57:09 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 3:57:09 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/8/2023 3:57:09 AM
Surr: 4-Bromofluorobenzene	95.6	39.1-146		%Rec	1	12/8/2023 3:57:09 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	910	60		mg/Kg	20	12/9/2023 4:23:33 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-127 4'
Project: Prometheus
Collection Date: 12/1/2023 3:05:00 PM
Lab ID: 2312262-014 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	12/8/2023 6:47:11 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	12/8/2023 6:47:11 PM
Surr: DNOP	85.1	69-147		%Rec	1	12/8/2023 6:47:11 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/8/2023 4:20:27 AM
Surr: BFB	97.0	15-244		%Rec	1	12/8/2023 4:20:27 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/8/2023 4:20:27 AM
Toluene	ND	0.048		mg/Kg	1	12/8/2023 4:20:27 AM
Ethylbenzene	ND	0.048		mg/Kg	1	12/8/2023 4:20:27 AM
Xylenes, Total	ND	0.096		mg/Kg	1	12/8/2023 4:20:27 AM
Surr: 4-Bromofluorobenzene	97.2	39.1-146		%Rec	1	12/8/2023 4:20:27 AM
EPA METHOD 300.0: ANIONS						Analyst: **JTT**
Chloride	1400	60		mg/Kg	20	12/9/2023 4:38:43 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-128 4'
Project: Prometheus
Collection Date: 12/1/2023 3:10:00 PM
Lab ID: 2312262-015 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	12/8/2023 8:39:26 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/8/2023 8:39:26 PM
Surr: DNOP	132	69-147		%Rec	1	12/8/2023 8:39:26 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/9/2023 2:03:34 PM
Surr: BFB	93.1	15-244		%Rec	1	12/9/2023 2:03:34 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 2:03:34 PM
Toluene	ND	0.049		mg/Kg	1	12/9/2023 2:03:34 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/9/2023 2:03:34 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2023 2:03:34 PM
Surr: 4-Bromofluorobenzene	96.6	39.1-146		%Rec	1	12/9/2023 2:03:34 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	3100	150		mg/Kg	50	12/11/2023 10:32:45 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312262**
Date Reported: **12/14/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-129 4'
Project: Prometheus
Collection Date: 12/1/2023 3:15:00 PM
Lab ID: 2312262-016 **Matrix:** SOIL **Received Date:** 12/6/2023 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	12/8/2023 9:03:20 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	12/8/2023 9:03:20 PM
Surr: DNOP	104	69-147		%Rec	1	12/8/2023 9:03:20 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/9/2023 3:36:42 PM
Surr: BFB	93.0	15-244		%Rec	1	12/9/2023 3:36:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/9/2023 3:36:42 PM
Toluene	ND	0.048		mg/Kg	1	12/9/2023 3:36:42 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/9/2023 3:36:42 PM
Xylenes, Total	ND	0.097		mg/Kg	1	12/9/2023 3:36:42 PM
Surr: 4-Bromofluorobenzene	97.5	39.1-146		%Rec	1	12/9/2023 3:36:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	2600	150		mg/Kg	50	12/11/2023 11:22:11 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312262**

14-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79262**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79262**	RunNo: **101711**
Prep Date: **12/8/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747675** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79262**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79262**	RunNo: **101711**
Prep Date: **12/8/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747676** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312262**

14-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79236**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79236**	RunNo: **101709**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747413** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		111	69	147			

Sample ID: **LCS-79236**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79236**	RunNo: **101709**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747414** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	10	50.00	0	111	61.9	130			
Surr: DNOP	5.2		5.000		105	69	147			

Sample ID: **LCS-79188**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79188**	RunNo: **101710**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747476** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.7	61.9	130			
Surr: DNOP	4.4		5.000		89.0	69	147			

Sample ID: **MB-79188**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79188**	RunNo: **101710**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3747477** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	69	147			

Sample ID: **2312262-014AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-127 4'**	Batch ID: **79188**	RunNo: **101710**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749103** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.2	46.13	0	88.4	54.2	135			
Surr: DNOP	4.3		4.613		93.5	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312262**

14-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312262-014AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **BS23-127 4'**	Batch ID: **79188**	RunNo: **101710**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749104** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	9.7	48.26	0	74.0	54.2	135	13.2	29.2	
Surr: DNOP	3.4		4.826		70.5	69	147	0	0	

Sample ID: **LCS-79224**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79224**	RunNo: **101710**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749105** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.0		5.000		80.0	69	147			

Sample ID: **MB-79224**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79224**	RunNo: **101710**
Prep Date: **12/7/2023**	Analysis Date: **12/8/2023**	SeqNo: **3749106** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	7.8		10.00		78.3	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312262**

14-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79180**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79180**	RunNo: **101668**
Prep Date: **12/6/2023**	Analysis Date: **12/7/2023**	SeqNo: **3745710** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	5.0	25.00	0	87.4	70	130			
Surr: BFB	2000		1000		199	15	244			

Sample ID: **mb-79180**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79180**	RunNo: **101668**
Prep Date: **12/6/2023**	Analysis Date: **12/7/2023**	SeqNo: **3746757** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.4	15	244			

Sample ID: **lcs-79198**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748648** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2000		1000		200	15	244			

Sample ID: **lcs-79219**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79219**	RunNo: **101707**
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748649** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	90.0	70	130			
Surr: BFB	1900		1000		185	15	244			

Sample ID: **mb-79198**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748650** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	940		1000		94.3	15	244			

Sample ID: **mb-79219**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79219**	RunNo: **101707**
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748651** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	880		1000		88.4	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312262**

14-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79180**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79180**	RunNo: **101668**
Prep Date: **12/6/2023**	Analysis Date: **12/7/2023**	SeqNo: **3746874** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.7	70	130			
Toluene	0.97	0.050	1.000	0	97.3	70	130			
Ethylbenzene	0.98	0.050	1.000	0	97.5	70	130			
Xylenes, Total	3.0	0.10	3.000	0	98.5	70	130			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.3	39.1	146			

Sample ID: **mb-79180**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79180**	RunNo: **101668**
Prep Date: **12/6/2023**	Analysis Date: **12/7/2023**	SeqNo: **3746875** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	39.1	146			

Sample ID: **2312262-001ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-125 0-4'**	Batch ID: **79180**	RunNo: **101668**
Prep Date: **12/6/2023**	Analysis Date: **12/7/2023**	SeqNo: **3746877** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9643	0	97.8	70	130			
Toluene	0.96	0.048	0.9643	0	99.9	70	130			
Ethylbenzene	0.98	0.048	0.9643	0	102	70	130			
Xylenes, Total	3.0	0.096	2.893	0	102	70	130			
Surr: 4-Bromofluorobenzene	0.94		0.9643		97.1	39.1	146			

Sample ID: **2312262-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-125 0-4'**	Batch ID: **79180**	RunNo: **101668**
Prep Date: **12/6/2023**	Analysis Date: **12/7/2023**	SeqNo: **3746878** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9653	0	95.1	70	130	2.68	20	
Toluene	0.94	0.048	0.9653	0	97.1	70	130	2.69	20	
Ethylbenzene	0.95	0.048	0.9653	0	98.3	70	130	3.60	20	
Xylenes, Total	2.9	0.097	2.896	0	99.2	70	130	2.65	20	
Surr: 4-Bromofluorobenzene	0.95		0.9653		98.3	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312262**

14-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79198**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748699** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	39.1	146			

Sample ID: **LCS-79219**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79219**	RunNo: **101707**
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748700** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.1	70	130			
Toluene	0.95	0.050	1.000	0	95.1	70	130			
Ethylbenzene	0.94	0.050	1.000	0	94.1	70	130			
Xylenes, Total	2.8	0.10	3.000	0	94.1	70	130			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	39.1	146			

Sample ID: **mb-79198**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79198**	RunNo: **101707**
Prep Date: **12/6/2023**	Analysis Date: **12/8/2023**	SeqNo: **3748701** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	39.1	146			

Sample ID: **mb-79219**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79219**	RunNo: **101707**
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748702** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.5	39.1	146			

Sample ID: **2312262-015ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-128 4'**	Batch ID: **79219**	RunNo: **101707**
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748733** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9794	0	93.8	70	130			
Toluene	0.93	0.049	0.9794	0	95.0	70	130			
Ethylbenzene	0.94	0.049	0.9794	0	95.8	70	130			
Xylenes, Total	2.8	0.098	2.938	0	95.2	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312262**

14-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312262-015ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-128 4'**	Batch ID: **79219**	RunNo: **101707**
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748733** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		0.9794		97.5	39.1	146			

Sample ID: **2312262-015amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-128 4'**	Batch ID: **79219**	RunNo: **101707**
Prep Date: **12/7/2023**	Analysis Date: **12/9/2023**	SeqNo: **3748734** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.024	0.9756	0	94.1	70	130	0.0185	20	
Toluene	0.93	0.049	0.9756	0	95.8	70	130	0.385	20	
Ethylbenzene	0.94	0.049	0.9756	0	96.7	70	130	0.565	20	
Xylenes, Total	2.8	0.098	2.927	0	96.6	70	130	1.09	20	
Surr: 4-Bromofluorobenzene	0.97		0.9756		99.1	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2312262 RcptNo: 1

Received By: Tracy Casarrubias 12/6/2023 7:45:00 AM

Completed By: Tracy Casarrubias 12/6/2023 9:33:03 AM

Reviewed By: JM 12/6/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: 12-6-23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Mailing address and phone number are missing on COC- TMC 12/6/23

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.1	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 23122602

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Project Manager:	Michael Moffitt	Bill to: (if different)	
Company Name:	Vertex	Company Name:	
Address:	511 16th St	Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	MMoffitt@vertexco, SCarthar@vertex.ca

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Prometheus	Turn Around	☐ Routine ☒ Rush
Project Number:	23E-02329	Due Date:	72-hour Rush
Project Location:	Ace Fluid Solutions	TAT starts the day received by the lab, if received by 4:30pm	
Sampler's Name:	L. Fullman		
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No	Thermometer ID:		409
Cooler Custody Seals:	Yes No N/A	Correction Factor:		-0.2
Sample Custody Seals:	Yes No N/A	Temperature Reading:		4.3
Total Containers:	1	Corrected Temperature:		4.1

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Pres. Code	Parameters: TPH (GRO, DRO, MRO)	Parameters: BTEX	Parameters: Chloride	Sample Comments
WS23-125 0-4'	Soil	12-1-23	08:10	0-4'	Comp	1		X	X	X	001
WS23-126 0-4'			08:15	0-4'		1					002
WS23-127 0-4'			12:30	0-4'		1					003
WS23-128 0-4'			12:35	0-4'		1					004
WS23-129 0-4'			12:40	0-4'		1					005
WS23-130 0-4'			12:45	0-4'		1					006
BS23-120 4'			14:30	4'		1					007
BS23-121 4'			14:35	4'		1					008
BS23-122 4'			14:40	4'		1					009
BS23-123 4'			14:45	4'		1		X	X	X	010

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 John Fullman 12-4-23 07:00		12/5/23 0700	2	courier	12/6/23 7:45
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Chain of Custody

Houston, TX (281) 240-4200, Dallas, TX (214) 902-0300
Midland, TX (432) 704-5440, San Antonio, TX (210) 509-3334
EL Paso, TX (915) 585-3443, Lubbock, TX (806) 794-1296
Hobbs, NM (575) 392-7550, Carlsbad, NM (575) 988-3199

Work Order No: 23122262

www.xenco.com Page 2 of 2

Project Manager:	Michael Moffitt	Bill to: (if different)	
Company Name:	Vertex	Company Name:	
Address:	Onsite	Address:	
City, State ZIP:		City, State ZIP:	
Phone:		Email:	MMoffitt@vertex.ca, [redacted] SCarthar@vertex.ca

Work Order Comments

Program: UST/PST ☐ PRP ☐ Brownfields ☐ RRC ☐ Superfund ☐
State of Project:
Reporting: Level II ☐ Level III ☐ PST/UST ☐ TRRP ☐ Level IV ☐
Deliverables: EDD ☐ ADaPT ☐ Other:

Project Name:	Prometheus	Turn Around	
Project Number:	236-03329	☐ Routine ☒ Rush	Pres. Code
Project Location:	Ace Fluid Solutions	Due Date: 72-hr rush	
Sampler's Name:	L. Pullman	TAT starts the day received by the lab, if received by 4:30pm	
PO #:			

SAMPLE RECEIPT	Temp Blank:	Yes No	Wet Ice:	Yes No
Samples Received Intact:	Yes No		Thermometer ID:	
Cooler Custody Seals:	Yes No N/A		Correction Factor:	
Sample Custody Seals:	Yes No N/A		Temperature Reading:	
Total Containers:			Corrected Temperature:	

Preservative Codes

None: NO | DI Water: H_2O
Cool: Cool | MeOH: Me
HCL: HC | HNO_3: HN
H_2SO_4: H_2 | NaOH: Na
H_3PO_4: HP
$NaHSO_4$: NABIS
$Na_2S_2O_3$: $NaSO_3$
Zn Acetate+NaOH: Zn
NaOH+Ascorbic Acid: SAPC

Sample Identification	Matrix	Date Sampled	Time Sampled	Depth	Grab/ Comp	# of Cont	Parameters: TPH (GRO, DRO, MRO)	BTEX	Chloride	Sample Comments
BS23-124 4'	Soil	12-1-23	14:50	4'	Comp	1	X	X	X	011
BS23-125 4'			14:55	4'		1				012
BS23-126 4'			16:00	4'		1				013
BS23-127 4'			15:05	4'		1				014
BS23-128 4'			15:10	4'		1				015
BS23-129 4'			15:15	4'		1				016

Total 200.7 / 6010 200.8 / 6020: 8RCRA 13PPM Texas 11 Al Sb As Ba Be B Cd Ca Cr Co Cu Fe Pb Mg Mn Mo Ni K Se Ag SiO_2 Na Sr Tl Sn U V Zn
Circle Method(s) and Metal(s) to be analyzed TCLP / SPLP 6010 : 8RCRA Sb As Ba Be Cd Cr Co Cu Pb Mn Mo Ni Se Ag Tl U Hg: 1631 / 245.1 / 7470 / 7471

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Eurofins Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Eurofins Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Eurofins Xenco. A minimum charge of $85.00 will be applied to each project and a charge of $5 for each sample submitted to Eurofins Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 Lab: Pullman, 12-4-23, 07:00		12/5/23 0700	2		12/6/23 7:45
3			4		
5			6		

Revised Date: 08/25/2020 Rev. 2020.2

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 04, 2024

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2312561

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 6 sample(s) on 12/9/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2312561**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-43 4'
Project: Prometheus **Collection Date:** 12/7/2023 10:05:00 AM
Lab ID: 2312561-001 **Matrix:** SOIL **Received Date:** 12/9/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	12/14/2023 2:50:50 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	12/14/2023 2:50:50 PM
Surr: DNOP	74.9	69-147		%Rec	1	12/14/2023 2:50:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/14/2023 1:40:46 PM
Surr: BFB	97.7	15-244		%Rec	1	12/14/2023 1:40:46 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/14/2023 1:40:46 PM
Toluene	ND	0.048		mg/Kg	1	12/14/2023 1:40:46 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/14/2023 1:40:46 PM
Xylenes, Total	ND	0.095		mg/Kg	1	12/14/2023 1:40:46 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	12/14/2023 1:40:46 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	680	60		mg/Kg	20	12/14/2023 4:22:24 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312561**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-67 4'
Project: Prometheus
Collection Date: 12/7/2023 9:45:00 AM
Lab ID: 2312561-002 **Matrix:** SOIL **Received Date:** 12/9/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/14/2023 3:15:07 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/14/2023 3:15:07 PM
Surr: DNOP	75.1	69-147		%Rec	1	12/14/2023 3:15:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/14/2023 2:04:33 PM
Surr: BFB	101	15-244		%Rec	1	12/14/2023 2:04:33 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/14/2023 2:04:33 PM
Toluene	ND	0.049		mg/Kg	1	12/14/2023 2:04:33 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/14/2023 2:04:33 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/14/2023 2:04:33 PM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	12/14/2023 2:04:33 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	130	60		mg/Kg	20	12/14/2023 4:37:33 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312561**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-154 4'
Project: Prometheus **Collection Date:** 12/7/2023 9:30:00 AM
Lab ID: 2312561-003 **Matrix:** SOIL **Received Date:** 12/9/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/14/2023 3:39:26 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/14/2023 3:39:26 PM
Surr: DNOP	75.1	69-147		%Rec	1	12/14/2023 3:39:26 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	12/14/2023 2:28:15 PM
Surr: BFB	101	15-244		%Rec	1	12/14/2023 2:28:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	12/14/2023 2:28:15 PM
Toluene	ND	0.046		mg/Kg	1	12/14/2023 2:28:15 PM
Ethylbenzene	ND	0.046		mg/Kg	1	12/14/2023 2:28:15 PM
Xylenes, Total	ND	0.093		mg/Kg	1	12/14/2023 2:28:15 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	12/14/2023 2:28:15 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	2500	150		mg/Kg	50	12/14/2023 6:12:18 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312561**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-155 4'
Project: Prometheus **Collection Date:** 12/7/2023 9:30:00 AM
Lab ID: 2312561-004 **Matrix:** SOIL **Received Date:** 12/9/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	12/14/2023 4:03:47 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/14/2023 4:03:47 PM
Surr: DNOP	72.8	69-147		%Rec	1	12/14/2023 4:03:47 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	12/14/2023 2:52:00 PM
Surr: BFB	102	15-244		%Rec	1	12/14/2023 2:52:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/14/2023 2:52:00 PM
Toluene	ND	0.048		mg/Kg	1	12/14/2023 2:52:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	12/14/2023 2:52:00 PM
Xylenes, Total	ND	0.096		mg/Kg	1	12/14/2023 2:52:00 PM
Surr: 4-Bromofluorobenzene	103	39.1-146		%Rec	1	12/14/2023 2:52:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	2400	150		mg/Kg	50	12/14/2023 1:39:33 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2312561**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-34 0-4'
Project: Prometheus **Collection Date:** 12/7/2023 9:45:00 AM
Lab ID: 2312561-005 **Matrix:** SOIL **Received Date:** 12/9/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/14/2023 4:28:07 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/14/2023 4:28:07 PM
Surr: DNOP	77.3	69-147		%Rec	1	12/14/2023 4:28:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	12/14/2023 3:15:42 PM
Surr: BFB	101	15-244		%Rec	1	12/14/2023 3:15:42 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	12/14/2023 3:15:42 PM
Toluene	ND	0.049		mg/Kg	1	12/14/2023 3:15:42 PM
Ethylbenzene	ND	0.049		mg/Kg	1	12/14/2023 3:15:42 PM
Xylenes, Total	ND	0.099		mg/Kg	1	12/14/2023 3:15:42 PM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	12/14/2023 3:15:42 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	380	60		mg/Kg	20	12/13/2023 10:16:31 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2312561**
Date Reported: **1/4/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-151 0-4'
Project: Prometheus
Collection Date: 12/7/2023 9:55:00 AM
Lab ID: 2312561-006 **Matrix:** SOIL **Received Date:** 12/9/2023 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/14/2023 4:52:21 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	12/14/2023 4:52:21 PM
Surr: DNOP	75.6	69-147		%Rec	1	12/14/2023 4:52:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	12/14/2023 3:39:37 PM
Surr: BFB	106	15-244		%Rec	1	12/14/2023 3:39:37 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	12/14/2023 3:39:37 PM
Toluene	ND	0.047		mg/Kg	1	12/14/2023 3:39:37 PM
Ethylbenzene	ND	0.047		mg/Kg	1	12/14/2023 3:39:37 PM
Xylenes, Total	ND	0.094		mg/Kg	1	12/14/2023 3:39:37 PM
Surr: 4-Bromofluorobenzene	106	39.1-146		%Rec	1	12/14/2023 3:39:37 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	380	60		mg/Kg	20	12/13/2023 10:28:55 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312561**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79375**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79375**	RunNo: **101822**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3754047** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79375**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79375**	RunNo: **101822**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3754048** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.3	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312561**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79326**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **79326**	RunNo: **101809**							
Prep Date: **12/12/2023**	Analysis Date: **12/13/2023**	SeqNo: **3754791**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		82.3	69	147			

Sample ID: **LCS-79326**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **79326**	RunNo: **101809**							
Prep Date: **12/12/2023**	Analysis Date: **12/13/2023**	SeqNo: **3754792**	Units: **%Rec**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.7		5.000		73.1	69	147			

Sample ID: **MB-79381**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **79381**	RunNo: **101809**							
Prep Date: **12/14/2023**	Analysis Date: **12/14/2023**	SeqNo: **3754826**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.9		10.00		68.7	69	147			S

Sample ID: **LCS-79381**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **79381**	RunNo: **101809**							
Prep Date: **12/14/2023**	Analysis Date: **12/14/2023**	SeqNo: **3754827**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	89.6	61.9	130			
Surr: DNOP	3.5		5.000		69.0	69	147			

Sample ID: **2312561-006AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **WS23-151 0-4'**	Batch ID: **79381**	RunNo: **101809**							
Prep Date: **12/14/2023**	Analysis Date: **12/14/2023**	SeqNo: **3755366**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.9	49.46	0	98.4	54.2	135			
Surr: DNOP	3.8		4.946		77.4	69	147			

Sample ID: **2312561-006AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **WS23-151 0-4'**	Batch ID: **79381**	RunNo: **101809**							
Prep Date: **12/14/2023**	Analysis Date: **12/14/2023**	SeqNo: **3755367**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.7	48.40	0	98.6	54.2	135	1.93	29.2	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312561**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2312561-006AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-151 0-4'**	Batch ID: **79381**	RunNo: **101809**
Prep Date: **12/14/2023**	Analysis Date: **12/14/2023**	SeqNo: **3755367** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.8		4.840		77.8	69	147	0	0	

Sample ID: **MB-79381**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79381**	RunNo: **101864**
Prep Date: **12/14/2023**	Analysis Date: **12/15/2023**	SeqNo: **3756007** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.9	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312561**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79347**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79347**	RunNo: **101840**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3754833** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	70	130			
Surr: BFB	2100		1000		211	15	244			

Sample ID: **mb-79347**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79347**	RunNo: **101840**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3754834** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.9	15	244			

Sample ID: **2312561-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-43 4'**	Batch ID: **79347**	RunNo: **101840**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3755089** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.92	0	99.2	70	130			
Surr: BFB	2000		956.9		210	15	244			

Sample ID: **2312561-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **BS23-43 4'**	Batch ID: **79347**	RunNo: **101840**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3755090** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.99	0	101	70	130	1.93	20	
Surr: BFB	2000		959.7		213	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2312561**

04-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79347**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79347**	RunNo: **101840**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3754843** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.1	70	130			
Toluene	0.98	0.050	1.000	0	98.0	70	130			
Ethylbenzene	1.0	0.050	1.000	0	99.9	70	130			
Xylenes, Total	3.0	0.10	3.000	0	101	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	39.1	146			

Sample ID: **mb-79347**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79347**	RunNo: **101840**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3754844** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	39.1	146			

Sample ID: **2312561-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-67 4'**	Batch ID: **79347**	RunNo: **101840**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3755123** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	0.9862	0	95.3	70	130			
Toluene	0.95	0.049	0.9862	0	96.7	70	130			
Ethylbenzene	0.97	0.049	0.9862	0	98.4	70	130			
Xylenes, Total	2.9	0.099	2.959	0	98.9	70	130			
Surr: 4-Bromofluorobenzene	1.0		0.9862		104	39.1	146			

Sample ID: **2312561-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **BS23-67 4'**	Batch ID: **79347**	RunNo: **101840**
Prep Date: **12/13/2023**	Analysis Date: **12/14/2023**	SeqNo: **3755124** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	0.9804	0	99.8	70	130	4.04	20	
Toluene	0.99	0.049	0.9804	0	101	70	130	3.54	20	
Ethylbenzene	1.0	0.049	0.9804	0	102	70	130	3.31	20	
Xylenes, Total	3.0	0.098	2.941	0	103	70	130	3.38	20	
Surr: 4-Bromofluorobenzene	1.0		0.9804		104	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2312561 | RcptNo: 1

Received By: Cheyenne Cason 12/9/2023 7:50:00 AM

Completed By: Cheyenne Cason 12/9/2023 8:10:03 AM

Reviewed By: 12/09/23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: CMC 12/9/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.8	Good	Not Present	Morty		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 72 hr Rush

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler: L. Pullman

On Ice: ☒ Yes ☐ No Mark

# of Coolers: 1

Cooler Temp(including CF): 4.8-0=4.8 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2312561	(BTEX) MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12-7-23	10:05	Soil	BS23-43 4'	4oz jar	ice	001	X	X					X			
12-7-23	09:45		BS23-67 4'			002										
	09:30		BS23-154 4'			003										
	09:30		BS23-155 4'			004										
	09:45		WS23-34 0-4'			005										
	09:55		WS23-151 0-4'			006										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
12-8-23	07:00	Lalon Pullman			12/8/23	0700
12/8/23	0700		Courier		12/9/23	0750

Remarks: Ace Fluid Solutions CC: MMoffitt@vertex.ca, SCarrillo@vertex.ca
For final report

1/1

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 17, 2024

Sally Carttar

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2401479

Dear Sally Carttar:

Eurofins Environment Testing South Central, LLC received 14 sample(s) on 1/12/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-155 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 10:00:00 AM
Lab ID: 2401479-001 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/12/2024 1:00:33 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/12/2024 1:00:33 PM
Surr: DNOP	97.6	69-147		%Rec	1	1/12/2024 1:00:33 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/12/2024 2:46:03 PM
Surr: BFB	99.0	15-244		%Rec	1	1/12/2024 2:46:03 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	1/12/2024 2:46:03 PM
Toluene	ND	0.048		mg/Kg	1	1/12/2024 2:46:03 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/12/2024 2:46:03 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/12/2024 2:46:03 PM
Surr: 4-Bromofluorobenzene	91.0	39.1-146		%Rec	1	1/12/2024 2:46:03 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	280	60		mg/Kg	20	1/12/2024 5:50:48 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-156 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 10:10:00 AM
Lab ID: 2401479-002 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/12/2024 1:24:16 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/12/2024 1:24:16 PM
Surr: DNOP	95.5	69-147		%Rec	1	1/12/2024 1:24:16 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	1/12/2024 3:09:54 PM
Surr: BFB	102	15-244		%Rec	1	1/12/2024 3:09:54 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.018		mg/Kg	1	1/12/2024 3:09:54 PM
Toluene	ND	0.036		mg/Kg	1	1/12/2024 3:09:54 PM
Ethylbenzene	ND	0.036		mg/Kg	1	1/12/2024 3:09:54 PM
Xylenes, Total	ND	0.072		mg/Kg	1	1/12/2024 3:09:54 PM
Surr: 4-Bromofluorobenzene	94.8	39.1-146		%Rec	1	1/12/2024 3:09:54 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	420	60		mg/Kg	20	1/12/2024 6:03:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-157 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 10:20:00 AM
Lab ID: 2401479-003 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/12/2024 1:18:18 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 1:18:18 PM
Surr: DNOP	98.3	69-147		%Rec	1	1/12/2024 1:18:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	1/12/2024 3:33:37 PM
Surr: BFB	97.4	15-244		%Rec	1	1/12/2024 3:33:37 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.017		mg/Kg	1	1/12/2024 3:33:37 PM
Toluene	ND	0.035		mg/Kg	1	1/12/2024 3:33:37 PM
Ethylbenzene	ND	0.035		mg/Kg	1	1/12/2024 3:33:37 PM
Xylenes, Total	ND	0.070		mg/Kg	1	1/12/2024 3:33:37 PM
Surr: 4-Bromofluorobenzene	89.4	39.1-146		%Rec	1	1/12/2024 3:33:37 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	290	60		mg/Kg	20	1/12/2024 6:15:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-158 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 10:30:00 AM
Lab ID: 2401479-004 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/12/2024 1:29:00 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 1:29:00 PM
Surr: DNOP	94.0	69-147		%Rec	1	1/12/2024 1:29:00 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.6		mg/Kg	1	1/12/2024 3:57:39 PM
Surr: BFB	98.2	15-244		%Rec	1	1/12/2024 3:57:39 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.018		mg/Kg	1	1/12/2024 3:57:39 PM
Toluene	ND	0.036		mg/Kg	1	1/12/2024 3:57:39 PM
Ethylbenzene	ND	0.036		mg/Kg	1	1/12/2024 3:57:39 PM
Xylenes, Total	ND	0.073		mg/Kg	1	1/12/2024 3:57:39 PM
Surr: 4-Bromofluorobenzene	90.5	39.1-146		%Rec	1	1/12/2024 3:57:39 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	630	60		mg/Kg	20	1/12/2024 6:28:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-159 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 10:40:00 AM
Lab ID: 2401479-005 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/12/2024 1:39:39 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/12/2024 1:39:39 PM
Surr: DNOP	78.3	69-147		%Rec	1	1/12/2024 1:39:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.2		mg/Kg	1	1/12/2024 4:21:18 PM
Surr: BFB	98.7	15-244		%Rec	1	1/12/2024 4:21:18 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.016		mg/Kg	1	1/12/2024 4:21:18 PM
Toluene	ND	0.032		mg/Kg	1	1/12/2024 4:21:18 PM
Ethylbenzene	ND	0.032		mg/Kg	1	1/12/2024 4:21:18 PM
Xylenes, Total	ND	0.065		mg/Kg	1	1/12/2024 4:21:18 PM
Surr: 4-Bromofluorobenzene	90.9	39.1-146		%Rec	1	1/12/2024 4:21:18 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	400	60		mg/Kg	20	1/12/2024 6:40:26 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-160 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 10:50:00 AM
Lab ID: 2401479-006 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/12/2024 1:50:22 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	1/12/2024 1:50:22 PM
Surr: DNOP	86.9	69-147		%Rec	1	1/12/2024 1:50:22 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	1/12/2024 4:44:57 PM
Surr: BFB	102	15-244		%Rec	1	1/12/2024 4:44:57 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.019		mg/Kg	1	1/12/2024 4:44:57 PM
Toluene	ND	0.039		mg/Kg	1	1/12/2024 4:44:57 PM
Ethylbenzene	ND	0.039		mg/Kg	1	1/12/2024 4:44:57 PM
Xylenes, Total	ND	0.078		mg/Kg	1	1/12/2024 4:44:57 PM
Surr: 4-Bromofluorobenzene	89.8	39.1-146		%Rec	1	1/12/2024 4:44:57 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	640	60		mg/Kg	20	1/12/2024 6:52:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-161 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 11:00:00 AM
Lab ID: 2401479-007 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	1/12/2024 2:01:06 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/12/2024 2:01:06 PM
Surr: DNOP	91.3	69-147		%Rec	1	1/12/2024 2:01:06 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	1/12/2024 5:32:36 PM
Surr: BFB	97.2	15-244		%Rec	1	1/12/2024 5:32:36 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.019		mg/Kg	1	1/12/2024 5:32:36 PM
Toluene	ND	0.038		mg/Kg	1	1/12/2024 5:32:36 PM
Ethylbenzene	ND	0.038		mg/Kg	1	1/12/2024 5:32:36 PM
Xylenes, Total	ND	0.075		mg/Kg	1	1/12/2024 5:32:36 PM
Surr: 4-Bromofluorobenzene	89.0	39.1-146		%Rec	1	1/12/2024 5:32:36 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	310	60		mg/Kg	20	1/12/2024 7:05:16 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-162 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 11:10:00 AM
Lab ID: 2401479-008 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/12/2024 2:17:52 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 2:17:52 PM
Surr: DNOP	88.4	69-147		%Rec	1	1/12/2024 2:17:52 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.3		mg/Kg	1	1/12/2024 5:56:23 PM
Surr: BFB	98.2	15-244		%Rec	1	1/12/2024 5:56:23 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.016		mg/Kg	1	1/12/2024 5:56:23 PM
Toluene	ND	0.033		mg/Kg	1	1/12/2024 5:56:23 PM
Ethylbenzene	ND	0.033		mg/Kg	1	1/12/2024 5:56:23 PM
Xylenes, Total	ND	0.065		mg/Kg	1	1/12/2024 5:56:23 PM
Surr: 4-Bromofluorobenzene	90.2	39.1-146		%Rec	1	1/12/2024 5:56:23 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	77	59		mg/Kg	20	1/12/2024 7:17:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-163 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 11:20:00 AM
Lab ID: 2401479-009 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/12/2024 2:28:39 PM
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	1/12/2024 2:28:39 PM
Surr: DNOP	88.5	69-147		%Rec	1	1/12/2024 2:28:39 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	1/12/2024 6:20:09 PM
Surr: BFB	96.4	15-244		%Rec	1	1/12/2024 6:20:09 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.017		mg/Kg	1	1/12/2024 6:20:09 PM
Toluene	ND	0.034		mg/Kg	1	1/12/2024 6:20:09 PM
Ethylbenzene	ND	0.034		mg/Kg	1	1/12/2024 6:20:09 PM
Xylenes, Total	ND	0.067		mg/Kg	1	1/12/2024 6:20:09 PM
Surr: 4-Bromofluorobenzene	89.8	39.1-146		%Rec	1	1/12/2024 6:20:09 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	180	59		mg/Kg	20	1/12/2024 7:54:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-164 4'
Project: Prometheus **Collection Date:** 1/10/2024 11:30:00 AM
Lab ID: 2401479-010 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/12/2024 2:39:30 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 2:39:30 PM
Surr: DNOP	88.4	69-147		%Rec	1	1/12/2024 2:39:30 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.5		mg/Kg	1	1/12/2024 6:44:14 PM
Surr: BFB	96.5	15-244		%Rec	1	1/12/2024 6:44:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.018		mg/Kg	1	1/12/2024 6:44:14 PM
Toluene	ND	0.035		mg/Kg	1	1/12/2024 6:44:14 PM
Ethylbenzene	ND	0.035		mg/Kg	1	1/12/2024 6:44:14 PM
Xylenes, Total	ND	0.071		mg/Kg	1	1/12/2024 6:44:14 PM
Surr: 4-Bromofluorobenzene	88.3	39.1-146		%Rec	1	1/12/2024 6:44:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	170	60		mg/Kg	20	1/12/2024 8:07:18 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-165 4'
Project: Prometheus **Collection Date:** 1/10/2024 11:40:00 AM
Lab ID: 2401479-011 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	1/12/2024 2:50:19 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/12/2024 2:50:19 PM
Surr: DNOP	93.6	69-147		%Rec	1	1/12/2024 2:50:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.0		mg/Kg	1	1/12/2024 7:08:15 PM
Surr: BFB	95.5	15-244		%Rec	1	1/12/2024 7:08:15 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.015		mg/Kg	1	1/12/2024 7:08:15 PM
Toluene	ND	0.030		mg/Kg	1	1/12/2024 7:08:15 PM
Ethylbenzene	ND	0.030		mg/Kg	1	1/12/2024 7:08:15 PM
Xylenes, Total	ND	0.061		mg/Kg	1	1/12/2024 7:08:15 PM
Surr: 4-Bromofluorobenzene	87.4	39.1-146		%Rec	1	1/12/2024 7:08:15 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	94	60		mg/Kg	20	1/12/2024 8:19:42 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-166 4'
Project: Prometheus **Collection Date:** 1/10/2024 11:50:00 AM
Lab ID: 2401479-012 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/12/2024 3:01:09 PM
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/12/2024 3:01:09 PM
Surr: DNOP	94.5	69-147		%Rec	1	1/12/2024 3:01:09 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	1/12/2024 7:32:14 PM
Surr: BFB	95.9	15-244		%Rec	1	1/12/2024 7:32:14 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.017		mg/Kg	1	1/12/2024 7:32:14 PM
Toluene	ND	0.034		mg/Kg	1	1/12/2024 7:32:14 PM
Ethylbenzene	ND	0.034		mg/Kg	1	1/12/2024 7:32:14 PM
Xylenes, Total	ND	0.068		mg/Kg	1	1/12/2024 7:32:14 PM
Surr: 4-Bromofluorobenzene	88.1	39.1-146		%Rec	1	1/12/2024 7:32:14 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	310	60		mg/Kg	20	1/12/2024 8:32:07 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** BS23-167 4'
Project: Prometheus **Collection Date:** 1/10/2024 12:00:00 PM
Lab ID: 2401479-013 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/12/2024 1:48:02 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/12/2024 1:48:02 PM
Surr: DNOP	95.1	69-147		%Rec	1	1/12/2024 1:48:02 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.8		mg/Kg	1	1/12/2024 7:56:02 PM
Surr: BFB	94.1	15-244		%Rec	1	1/12/2024 7:56:02 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.019		mg/Kg	1	1/12/2024 7:56:02 PM
Toluene	ND	0.038		mg/Kg	1	1/12/2024 7:56:02 PM
Ethylbenzene	ND	0.038		mg/Kg	1	1/12/2024 7:56:02 PM
Xylenes, Total	ND	0.077		mg/Kg	1	1/12/2024 7:56:02 PM
Surr: 4-Bromofluorobenzene	86.6	39.1-146		%Rec	1	1/12/2024 7:56:02 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	710	61		mg/Kg	20	1/12/2024 8:44:32 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401479**
Date Reported: **1/17/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-168 0-4'
Project: Prometheus **Collection Date:** 1/10/2024 12:10:00 PM
Lab ID: 2401479-014 **Matrix:** MEOH (SOIL) **Received Date:** 1/12/2024 10:52:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/12/2024 2:11:51 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/12/2024 2:11:51 PM
Surr: DNOP	96.1	69-147		%Rec	1	1/12/2024 2:11:51 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	3.4		mg/Kg	1	1/12/2024 8:19:44 PM
Surr: BFB	99.0	15-244		%Rec	1	1/12/2024 8:19:44 PM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.017		mg/Kg	1	1/12/2024 8:19:44 PM
Toluene	ND	0.034		mg/Kg	1	1/12/2024 8:19:44 PM
Ethylbenzene	ND	0.034		mg/Kg	1	1/12/2024 8:19:44 PM
Xylenes, Total	ND	0.069		mg/Kg	1	1/12/2024 8:19:44 PM
Surr: 4-Bromofluorobenzene	90.0	39.1-146		%Rec	1	1/12/2024 8:19:44 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	4800	150		mg/Kg	50	1/15/2024 10:47:41 AM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401479**

17-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79886**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **79886**	RunNo: **102433**
Prep Date: **1/12/2024**	Analysis Date: **1/12/2024**	SeqNo: **3783739** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79886**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **79886**	RunNo: **102433**
Prep Date: **1/12/2024**	Analysis Date: **1/12/2024**	SeqNo: **3783740** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401479**

17-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2401479-014AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-168 0-4'** Batch ID: **79880** RunNo: **102424**
Prep Date: **1/12/2024** Analysis Date: **1/12/2024** SeqNo: **3783293** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	8.8	43.94	0	113	54.2	135			
Surr: DNOP	4.2		4.394		96.2	69	147			

Sample ID: **2401479-014AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-168 0-4'** Batch ID: **79880** RunNo: **102424**
Prep Date: **1/12/2024** Analysis Date: **1/12/2024** SeqNo: **3783294** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	9.1	45.45	0	117	54.2	135	7.12	29.2	
Surr: DNOP	4.5		4.545		98.7	69	147	0	0	

Sample ID: **LCS-79870** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **79870** RunNo: **102425**
Prep Date: **1/11/2024** Analysis Date: **1/12/2024** SeqNo: **3783328** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.0		5.000		100	69	147			

Sample ID: **MB-79870** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **79870** RunNo: **102425**
Prep Date: **1/11/2024** Analysis Date: **1/12/2024** SeqNo: **3783329** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	12		10.00		118	69	147			

Sample ID: **MB-79880** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **79880** RunNo: **102425**
Prep Date: **1/12/2024** Analysis Date: **1/12/2024** SeqNo: **3783330** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.8	69	147			

Sample ID: **LCS-79880** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS** Batch ID: **79880** RunNo: **102432**
Prep Date: **1/12/2024** Analysis Date: **1/15/2024** SeqNo: **3783698** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	116	61.9	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401479**

17-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-79880**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79880**	RunNo: **102432**
Prep Date: **1/12/2024**	Analysis Date: **1/15/2024**	SeqNo: **3783698** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.6		5.000		132	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401479**

17-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2.5ug gro lcs**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **GS102406**	RunNo: **102406**
Prep Date:	Analysis Date: **1/12/2024**	SeqNo: **3782139** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	70	130			
Surr: BFB	2100		1000		212	15	244			

Sample ID: **2401479-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-155 0-4'**	Batch ID: **GS102406**	RunNo: **102406**
Prep Date:	Analysis Date: **1/12/2024**	SeqNo: **3783264** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.79	0	99.7	70	130			
Surr: BFB	2000		951.5		208	15	244			

Sample ID: **2401479-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-155 0-4'**	Batch ID: **GS102406**	RunNo: **102406**
Prep Date:	Analysis Date: **1/12/2024**	SeqNo: **3783265** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.79	0	99.8	70	130	0.120	20	
Surr: BFB	2000		951.5		211	15	244	0	0	

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **GS102406**	RunNo: **102406**
Prep Date:	Analysis Date: **1/12/2024**	SeqNo: **3783791** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.9	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401479**

17-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **100ng btex lcs**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **BS102406**	RunNo: **102406**
Prep Date:	Analysis Date: **1/12/2024**	SeqNo: **3782140** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	85.8	70	130			
Toluene	0.88	0.050	1.000	0	87.7	70	130			
Ethylbenzene	0.88	0.050	1.000	0	88.3	70	130			
Xylenes, Total	2.7	0.10	3.000	0	88.9	70	130			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.7	39.1	146			

Sample ID: **2401479-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-156 0-4'**	Batch ID: **BS102406**	RunNo: **102406**
Prep Date:	Analysis Date: **1/13/2024**	SeqNo: **3783266** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.61	0.018	0.7179	0	84.6	70	130			
Toluene	0.62	0.036	0.7179	0	86.7	70	130			
Ethylbenzene	0.63	0.036	0.7179	0	87.4	70	130			
Xylenes, Total	1.9	0.072	2.154	0	87.7	70	130			
Surr: 4-Bromofluorobenzene	0.61		0.7179		84.4	39.1	146			

Sample ID: **2401479-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-156 0-4'**	Batch ID: **BS102406**	RunNo: **102406**
Prep Date:	Analysis Date: **1/13/2024**	SeqNo: **3783267** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.61	0.018	0.7179	0	85.0	70	130	0.495	20	
Toluene	0.63	0.036	0.7179	0	87.4	70	130	0.769	20	
Ethylbenzene	0.64	0.036	0.7179	0	88.9	70	130	1.60	20	
Xylenes, Total	1.9	0.072	2.154	0	90.3	70	130	2.88	20	
Surr: 4-Bromofluorobenzene	0.65		0.7179		89.9	39.1	146	0	0	

Sample ID: **mb**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **BS102406**	RunNo: **102406**
Prep Date:	Analysis Date: **1/12/2024**	SeqNo: **3783793** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		91.6	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Vertex Resources** Work Order Number: **2401479** RcptNo: **1**

Received By: **Nancy Proctor** **1/12/2024 10:52:00 AM**

Completed By: **Tracy Casarrubias** **1/12/2024 11:12:43 AM**

Reviewed By: 1/12/24

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐	
2. How was the sample delivered?	Courier			

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: JA 1-12-24

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 1/12/24

16. Additional remarks:

Client did not relinquish chain of custody

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Yes	Morty		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex (Ace Fluids)

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 24 hours

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Sally Carttar

Sampler: Zach Englebert

On Ice: ☑ Yes ☐ No

# of Coolers: 1 marty

Cooler Temp(including CF): 1.6±0=1.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401479	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
1-10-24	1000	soil	WS23-155 0-4'	1 jar: 4oz.	ice	001	X	X					X			
	1010		WS23-156 0-4'			002										
	1020		WS23-157 0-4'			003										
	1030		WS23-158 0-4'			004										
	1040		WS23-159 0-4'			005										
	1050		WS23-160 0-4'			006										
	1100		WS23-161 0-4'			007										
	1110		WS23-162 0-4'			008										
	1120		WS23-163 0-4'			009										
	1130		BS23-164 4'			010										
	1140		BS23-165 4'			011										
	1150		BS23-166 4'			012										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
					1/11/24	815
Date: 1/11/24	Time: 1900	Relinquished by:	Received by:	Via:	Date	Time
				courier	1/12/24	10:52

Remarks: cc Scarttar@vertex.ca

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

Chain-of-Custody Record

Client: Vertex (Ace Fluids)

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 24 hours

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Sally Carttar

Sampler: Zach Eyrabert

On Ice: ☑ Yes ☐ No

# of Coolers: 1 marty

Cooler Temp(including CF): 1.6 +0=1.6 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401479
1-10-24	1200	Soil	BS23-167 4'	PCE	1 jar 4oz	013
↓	1210	↓	WS23-168 0-4'	↓	↓	014

Analysis Request

BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
✓	✓					✓			

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
			[signature]		1/11/24	0815
1/11/24	1900	[signature]	[signature]	courier	1/12/24	10:52

Remarks: cc Scarttar@gmail.com

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

October 11, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2309H62

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 7 sample(s) on 9/30/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2309H62**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-01 0-4'
Project: Prometheus
Collection Date: 9/28/2023 12:45:00 PM
Lab ID: 2309H62-001 **Matrix:** SOIL
Received Date: 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/3/2023 5:18:21 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/3/2023 5:18:21 PM
Surr: DNOP	111	69-147		%Rec	1	10/3/2023 5:18:21 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/5/2023 12:17:26 AM
Surr: BFB	89.8	15-244		%Rec	1	10/5/2023 12:17:26 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/5/2023 12:17:26 AM
Toluene	ND	0.048		mg/Kg	1	10/5/2023 12:17:26 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/5/2023 12:17:26 AM
Xylenes, Total	ND	0.096		mg/Kg	1	10/5/2023 12:17:26 AM
Surr: 4-Bromofluorobenzene	98.6	39.1-146		%Rec	1	10/5/2023 12:17:26 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	10/4/2023 8:57:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H62**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-02 0-4'
Project: Prometheus
Collection Date: 9/28/2023 12:45:00 PM
Lab ID: 2309H62-002 **Matrix:** SOIL
Received Date: 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/3/2023 5:39:35 PM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/3/2023 5:39:35 PM
Surr: DNOP	115	69-147		%Rec	1	10/3/2023 5:39:35 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2023 1:04:25 AM
Surr: BFB	90.5	15-244		%Rec	1	10/5/2023 1:04:25 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/5/2023 1:04:25 AM
Toluene	ND	0.049		mg/Kg	1	10/5/2023 1:04:25 AM
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2023 1:04:25 AM
Xylenes, Total	ND	0.098		mg/Kg	1	10/5/2023 1:04:25 AM
Surr: 4-Bromofluorobenzene	99.6	39.1-146		%Rec	1	10/5/2023 1:04:25 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	10/4/2023 9:34:09 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H62**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-03 0-4'
Project: Prometheus
Collection Date: 9/28/2023 12:50:00 PM
Lab ID: 2309H62-003 **Matrix:** SOIL
Received Date: 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/3/2023 5:50:19 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/3/2023 5:50:19 PM
Surr: DNOP	120	69-147		%Rec	1	10/3/2023 5:50:19 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/5/2023 1:27:54 AM
Surr: BFB	90.1	15-244		%Rec	1	10/5/2023 1:27:54 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/5/2023 1:27:54 AM
Toluene	ND	0.050		mg/Kg	1	10/5/2023 1:27:54 AM
Ethylbenzene	ND	0.050		mg/Kg	1	10/5/2023 1:27:54 AM
Xylenes, Total	ND	0.10		mg/Kg	1	10/5/2023 1:27:54 AM
Surr: 4-Bromofluorobenzene	98.9	39.1-146		%Rec	1	10/5/2023 1:27:54 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	10/4/2023 9:46:30 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H62**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. **Client Sample ID:** WS23-04 0-4'
Project: Prometheus **Collection Date:** 9/28/2023 12:50:00 PM
Lab ID: 2309H62-004 **Matrix:** SOIL **Received Date:** 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/3/2023 6:01:07 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/3/2023 6:01:07 PM
Surr: DNOP	104	69-147		%Rec	1	10/3/2023 6:01:07 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2023 1:51:23 AM
Surr: BFB	91.5	15-244		%Rec	1	10/5/2023 1:51:23 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.025		mg/Kg	1	10/5/2023 1:51:23 AM
Toluene	ND	0.049		mg/Kg	1	10/5/2023 1:51:23 AM
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2023 1:51:23 AM
Xylenes, Total	ND	0.099		mg/Kg	1	10/5/2023 1:51:23 AM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	10/5/2023 1:51:23 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	360	59		mg/Kg	20	10/4/2023 9:58:51 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H62**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-05 0-4'
Project: Prometheus
Collection Date: 9/28/2023 12:55:00 PM
Lab ID: 2309H62-005 **Matrix:** SOIL
Received Date: 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/3/2023 6:11:56 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/3/2023 6:11:56 PM
Surr: DNOP	96.2	69-147		%Rec	1	10/3/2023 6:11:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/5/2023 2:14:48 AM
Surr: BFB	91.7	15-244		%Rec	1	10/5/2023 2:14:48 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/5/2023 2:14:48 AM
Toluene	ND	0.047		mg/Kg	1	10/5/2023 2:14:48 AM
Ethylbenzene	ND	0.047		mg/Kg	1	10/5/2023 2:14:48 AM
Xylenes, Total	ND	0.095		mg/Kg	1	10/5/2023 2:14:48 AM
Surr: 4-Bromofluorobenzene	101	39.1-146		%Rec	1	10/5/2023 2:14:48 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	10/4/2023 10:11:13 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H62**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-06 0-4'
Project: Prometheus
Collection Date: 9/28/2023 1:45:00 PM
Lab ID: 2309H62-006 **Matrix:** SOIL
Received Date: 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/3/2023 6:22:48 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/3/2023 6:22:48 PM
Surr: DNOP	97.8	69-147		%Rec	1	10/3/2023 6:22:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/5/2023 2:38:06 AM
Surr: BFB	92.0	15-244		%Rec	1	10/5/2023 2:38:06 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.023		mg/Kg	1	10/5/2023 2:38:06 AM
Toluene	ND	0.046		mg/Kg	1	10/5/2023 2:38:06 AM
Ethylbenzene	ND	0.046		mg/Kg	1	10/5/2023 2:38:06 AM
Xylenes, Total	ND	0.092		mg/Kg	1	10/5/2023 2:38:06 AM
Surr: 4-Bromofluorobenzene	102	39.1-146		%Rec	1	10/5/2023 2:38:06 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	59		mg/Kg	20	10/4/2023 10:23:33 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2309H62**
Date Reported: **10/11/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-07 0-4'
Project: Prometheus
Collection Date: 9/28/2023 1:05:00 PM
Lab ID: 2309H62-007 **Matrix:** SOIL **Received Date:** 9/30/2023 8:10:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/3/2023 6:33:44 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/3/2023 6:33:44 PM
Surr: DNOP	98.8	69-147		%Rec	1	10/3/2023 6:33:44 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **JJP**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/5/2023 3:01:37 AM
Surr: BFB	90.6	15-244		%Rec	1	10/5/2023 3:01:37 AM
EPA METHOD 8021B: VOLATILES						Analyst: **JJP**
Benzene	ND	0.024		mg/Kg	1	10/5/2023 3:01:37 AM
Toluene	ND	0.048		mg/Kg	1	10/5/2023 3:01:37 AM
Ethylbenzene	ND	0.048		mg/Kg	1	10/5/2023 3:01:37 AM
Xylenes, Total	ND	0.096		mg/Kg	1	10/5/2023 3:01:37 AM
Surr: 4-Bromofluorobenzene	99.1	39.1-146		%Rec	1	10/5/2023 3:01:37 AM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	ND	60		mg/Kg	20	10/4/2023 10:35:53 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H62**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-77946**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **77946**	RunNo: **100228**
Prep Date: **10/4/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669493** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-77946**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **77946**	RunNo: **100228**
Prep Date: **10/4/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669494** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H62**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-77896**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **77896**	RunNo: **100166**
Prep Date: **10/2/2023**	Analysis Date: **10/3/2023**	SeqNo: **3667641** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62	10	50.00	0	123	61.9	130			
Surr: DNOP	6.1		5.000		122	69	147			

Sample ID: **MB-77896**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **77896**	RunNo: **100166**
Prep Date: **10/2/2023**	Analysis Date: **10/3/2023**	SeqNo: **3667643** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.8		10.00		98.5	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H62**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-77889**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669113** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.6	70	130			
Surr: BFB	1900		1000		193	15	244			

Sample ID: **mb-77889**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669115** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		93.3	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2309H62**

11-Oct-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **LCS-77889**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669239** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	70	130			
Toluene	1.0	0.050	1.000	0	103	70	130			
Ethylbenzene	1.0	0.050	1.000	0	104	70	130			
Xylenes, Total	3.1	0.10	3.000	0	104	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Sample ID: **mb-77889**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **77889**	RunNo: **100206**
Prep Date: **10/2/2023**	Analysis Date: **10/4/2023**	SeqNo: **3669240** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Services, Inc. Work Order Number: 2309H62 RcptNo: 1

Received By: **Tracy Casarrubias** 9/30/2023 8:10:00 AM

Completed By: **Tracy Casarrubias** 9/30/2023 8:49:22 AM

Reviewed By: JN 10/2/23

Chain of Custody

1. Is Chain of Custody complete? Yes ☐ No ☑ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☑ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☑ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☑ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☑ No ☐
8. Was preservative added to bottles? Yes ☐ No ☑ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☑
10. Were any sample containers received broken? Yes ☐ No ☑
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody) Yes ☑ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐
13. Is it clear what analyses were requested? Yes ☑ No ☐
14. Were all holding times able to be met? (If no, notify customer for authorization.) Yes ☑ No ☐

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: TMC 9/30/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: Date:

By Whom: Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 9/30/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.1	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: On file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☑ Rush 72 hr TAT

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffit

Sampler: SPC

On Ice: ☒ Yes ☐ No yogi

# of Coolers: 1

Cooler Temp(including CF): 3.0 +0.1 = 3.1 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2309H62	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	$Cl, F, Br, NO_3, NO_2, PO_4, SO_4$	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
09/28/2023	12:45	Soil	WS 23-01 0-4	4oz:1Jar	ICE	001	X	X					X			
	12:45		WS 23-02 0-4			002										
	12:50		WS 23-03 0-4			003										
	12:50		WS 23-04 0-4			004										
	12:55		WS 23-05 0-4			005										
	13:45		WS 23-06 0-4			006										
	13:05		WS 23-07 0-4			007										

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
09/28/2023	17:15				9/29/23	915
9/29/23	1900			Courier	9/30/23	810

Remarks:
cc: SCarttar@vertex.ca
ACastro@vertex.ca

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

December 07, 2023

Michael Moffitt

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2311C30

Dear Michael Moffitt:

Eurofins Environment Testing South Central, LLC received 8 sample(s) on 11/28/2023 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2311C30**
Date Reported: **12/7/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-101 0'-4'
Project: Prometheus
Collection Date: 11/17/2023 11:35:00 AM
Lab ID: 2311C30-001 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **DGH**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	11/30/2023 5:20:03 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	11/30/2023 5:20:03 PM
Surr: DNOP	99.5	69-147		%Rec	1	11/30/2023 5:20:03 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/29/2023 3:55:00 PM
Surr: BFB	102	15-244		%Rec	1	11/29/2023 3:55:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	11/29/2023 3:55:00 PM
Toluene	ND	0.046		mg/Kg	1	11/29/2023 3:55:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	11/29/2023 3:55:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	11/29/2023 3:55:00 PM
Surr: 4-Bromofluorobenzene	96.0	39.1-146		%Rec	1	11/29/2023 3:55:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	280	60		mg/Kg	20	11/30/2023 5:53:19 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C30**
Date Reported: **12/7/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-102 0'-4'
Project: Prometheus
Collection Date: 11/17/2023 11:35:00 AM
Lab ID: 2311C30-002 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	12/1/2023 9:43:44 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/1/2023 9:43:44 AM
Surr: DNOP	92.3	69-147		%Rec	1	12/1/2023 9:43:44 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2023 4:16:00 PM
Surr: BFB	100	15-244		%Rec	1	11/29/2023 4:16:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/29/2023 4:16:00 PM
Toluene	ND	0.047		mg/Kg	1	11/29/2023 4:16:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2023 4:16:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	11/29/2023 4:16:00 PM
Surr: 4-Bromofluorobenzene	96.2	39.1-146		%Rec	1	11/29/2023 4:16:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	340	60		mg/Kg	20	11/30/2023 1:10:22 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C30**
Date Reported: **12/7/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-103 0'-4'
Project: Prometheus
Collection Date: 11/17/2023 11:40:00 AM
Lab ID: 2311C30-003 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/1/2023 9:54:11 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/1/2023 9:54:11 AM
Surr: DNOP	111	69-147		%Rec	1	12/1/2023 9:54:11 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	11/29/2023 5:00:00 PM
Surr: BFB	102	15-244		%Rec	1	11/29/2023 5:00:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	11/29/2023 5:00:00 PM
Toluene	ND	0.046		mg/Kg	1	11/29/2023 5:00:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	11/29/2023 5:00:00 PM
Xylenes, Total	ND	0.093		mg/Kg	1	11/29/2023 5:00:00 PM
Surr: 4-Bromofluorobenzene	91.7	39.1-146		%Rec	1	11/29/2023 5:00:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	230	60		mg/Kg	20	11/30/2023 1:22:47 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C30**
Date Reported: **12/7/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-104 0'-4'
Project: Prometheus
Collection Date: 11/17/2023 11:45:00 AM
Lab ID: 2311C30-004 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/1/2023 10:04:37 AM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	12/1/2023 10:04:37 AM
Surr: DNOP	90.6	69-147		%Rec	1	12/1/2023 10:04:37 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2023 5:21:00 PM
Surr: BFB	98.0	15-244		%Rec	1	11/29/2023 5:21:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/29/2023 5:21:00 PM
Toluene	ND	0.049		mg/Kg	1	11/29/2023 5:21:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2023 5:21:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/29/2023 5:21:00 PM
Surr: 4-Bromofluorobenzene	91.9	39.1-146		%Rec	1	11/29/2023 5:21:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	120	60		mg/Kg	20	11/30/2023 1:35:12 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C30**
Date Reported: **12/7/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-105 0'-4'
Project: Prometheus
Collection Date: 11/17/2023 11:45:00 AM
Lab ID: 2311C30-005 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	12/1/2023 10:15:04 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/1/2023 10:15:04 AM
Surr: DNOP	90.7	69-147		%Rec	1	12/1/2023 10:15:04 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	11/29/2023 5:43:00 PM
Surr: BFB	99.6	15-244		%Rec	1	11/29/2023 5:43:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/29/2023 5:43:00 PM
Toluene	ND	0.049		mg/Kg	1	11/29/2023 5:43:00 PM
Ethylbenzene	ND	0.049		mg/Kg	1	11/29/2023 5:43:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/29/2023 5:43:00 PM
Surr: 4-Bromofluorobenzene	95.3	39.1-146		%Rec	1	11/29/2023 5:43:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	230	60		mg/Kg	20	11/30/2023 1:47:36 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2311C30**
Date Reported: **12/7/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-106 0'-4'
Project: Prometheus
Collection Date: 11/17/2023 11:45:00 AM
Lab ID: 2311C30-006 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	12/1/2023 10:25:32 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/1/2023 10:25:32 AM
Surr: DNOP	94.2	69-147		%Rec	1	12/1/2023 10:25:32 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	11/29/2023 6:05:00 PM
Surr: BFB	98.6	15-244		%Rec	1	11/29/2023 6:05:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.025		mg/Kg	1	11/29/2023 6:05:00 PM
Toluene	ND	0.050		mg/Kg	1	11/29/2023 6:05:00 PM
Ethylbenzene	ND	0.050		mg/Kg	1	11/29/2023 6:05:00 PM
Xylenes, Total	ND	0.099		mg/Kg	1	11/29/2023 6:05:00 PM
Surr: 4-Bromofluorobenzene	94.1	39.1-146		%Rec	1	11/29/2023 6:05:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	110	60		mg/Kg	20	11/30/2023 2:00:02 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C30**
Date Reported: **12/7/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-107 0'-4'
Project: Prometheus
Collection Date: 11/17/2023 11:50:00 AM
Lab ID: 2311C30-007 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	12/1/2023 10:36:01 AM
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	12/1/2023 10:36:01 AM
Surr: DNOP	94.6	69-147		%Rec	1	12/1/2023 10:36:01 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2023 6:27:00 PM
Surr: BFB	106	15-244		%Rec	1	11/29/2023 6:27:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/29/2023 6:27:00 PM
Toluene	ND	0.047		mg/Kg	1	11/29/2023 6:27:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2023 6:27:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/29/2023 6:27:00 PM
Surr: 4-Bromofluorobenzene	94.0	39.1-146		%Rec	1	11/29/2023 6:27:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	100	60		mg/Kg	20	11/30/2023 2:12:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2311C30**
Date Reported: **12/7/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-108 0'-4'
Project: Prometheus
Collection Date: 11/17/2023 11:45:00 AM
Lab ID: 2311C30-008 **Matrix:** SOIL
Received Date: 11/28/2023 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **PRD**
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	12/1/2023 10:46:30 AM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	12/1/2023 10:46:30 AM
Surr: DNOP	103	69-147		%Rec	1	12/1/2023 10:46:30 AM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	11/29/2023 6:48:00 PM
Surr: BFB	99.3	15-244		%Rec	1	11/29/2023 6:48:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	11/29/2023 6:48:00 PM
Toluene	ND	0.047		mg/Kg	1	11/29/2023 6:48:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	11/29/2023 6:48:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	11/29/2023 6:48:00 PM
Surr: 4-Bromofluorobenzene	93.0	39.1-146		%Rec	1	11/29/2023 6:48:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **RBC**
Chloride	190	60		mg/Kg	20	11/30/2023 2:49:40 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311C30**

07-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-79069**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **79069**	RunNo: **101524**								
Prep Date: **11/30/2023**	Analysis Date: **11/30/2023**	SeqNo: **3737310**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79069**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **79069**	RunNo: **101524**								
Prep Date: **11/30/2023**	Analysis Date: **11/30/2023**	SeqNo: **3737311**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.6	90	110			

Sample ID: **MB-79058**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **PBS**	Batch ID: **79058**	RunNo: **101523**								
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3737381**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-79058**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**								
Client ID: **LCSS**	Batch ID: **79058**	RunNo: **101523**								
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3737382**	Units: **mg/Kg**							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.0	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311C30**

07-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311C30-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-101 0'-4'**	Batch ID: **79059**	RunNo: **101517**
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3736819** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.0	45.21	0	87.9	54.2	135			
Surr: DNOP	4.0		4.521		88.8	69	147			

Sample ID: **2311C30-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-101 0'-4'**	Batch ID: **79059**	RunNo: **101517**
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3736821** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.4	47.04	0	85.7	54.2	135	1.42	29.2	
Surr: DNOP	4.0		4.704		84.5	69	147	0	0	

Sample ID: **LCS-79059**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79059**	RunNo: **101517**
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3736831** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	103	61.9	130			
Surr: DNOP	4.8		5.000		95.2	69	147			

Sample ID: **MB-79059**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79059**	RunNo: **101517**
Prep Date: **11/29/2023**	Analysis Date: **11/30/2023**	SeqNo: **3736834** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.5	69	147			

Sample ID: **2311C30-002AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-102 0'-4'**	Batch ID: **79082**	RunNo: **101534**
Prep Date: **11/30/2023**	Analysis Date: **12/1/2023**	SeqNo: **3738230** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.6	48.22	0	86.1	54.2	135			
Surr: DNOP	3.9		4.822		80.8	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311C30**

07-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **2311C30-002AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **WS23-102 0'-4'**	Batch ID: **79082**	RunNo: **101534**
Prep Date: **11/30/2023**	Analysis Date: **12/1/2023**	SeqNo: **3738231** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	9.9	49.60	0	102	54.2	135	19.7	29.2	
Surr: DNOP	4.9		4.960		98.6	69	147	0	0	

Sample ID: **LCS-79082**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79082**	RunNo: **101534**
Prep Date: **11/30/2023**	Analysis Date: **12/1/2023**	SeqNo: **3738243** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	61.9	130			
Surr: DNOP	4.7		5.000		94.3	69	147			

Sample ID: **LCS-79098**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **79098**	RunNo: **101534**
Prep Date: **12/1/2023**	Analysis Date: **12/1/2023**	SeqNo: **3738244** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	3.9		5.000		78.6	69	147			

Sample ID: **MB-79082**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79082**	RunNo: **101534**
Prep Date: **11/30/2023**	Analysis Date: **12/1/2023**	SeqNo: **3738245** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		101	69	147			

Sample ID: **MB-79098**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **79098**	RunNo: **101534**
Prep Date: **12/1/2023**	Analysis Date: **12/1/2023**	SeqNo: **3738246** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.2		10.00		81.9	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311C30**

07-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79020**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **79020**	RunNo: **101489**
Prep Date: **11/28/2023**	Analysis Date: **11/29/2023**	SeqNo: **3735681** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.6	70	130			
Surr: BFB	2100		1000		206	15	244			

Sample ID: **MB-79020**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **79020**	RunNo: **101489**
Prep Date: **11/28/2023**	Analysis Date: **11/29/2023**	SeqNo: **3735682** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		100	15	244			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2311C30**

07-Dec-23

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-79020**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **79020**	RunNo: **101489**
Prep Date: **11/28/2023**	Analysis Date: **11/29/2023**	SeqNo: **3735824** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.8	70	130			
Toluene	0.96	0.050	1.000	0	96.0	70	130			
Ethylbenzene	0.97	0.050	1.000	0	97.5	70	130			
Xylenes, Total	2.9	0.10	3.000	0	96.9	70	130			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	39.1	146			

Sample ID: **mb-79020**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **79020**	RunNo: **101489**
Prep Date: **11/28/2023**	Analysis Date: **11/29/2023**	SeqNo: **3735825** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.4	39.1	146			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

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eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources | Work Order Number: 2311C30 | RcptNo: 1

Received By: Juan Rojas | 11/28/2023 7:40:00 AM

Completed By: Tracy Casarrubias | 11/28/2023 8:19:38 AM

Reviewed By: 11-28-23

Chain of Custody

1. Is Chain of Custody complete?	Yes ☐	No ☑	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: (<2 or >12 unless noted)

Adjusted?

Checked by: SCM 11/28/23

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: | Date:

By Whom: | Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions: Mailing address,phone number and Email/Fax are missing on COC- TMC 11/28/23

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.4	Good	Yes	Morty		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address: on file

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 72 hours

Project Name: Prometheus

Project #: 23E-03329

Project Manager: Michael Moffitt

Sampler:

On Ice: ☐ Yes ☐ No

# of Coolers: 1 Monty

Cooler Temp(Including CF): 0.5-0.1=0.4 (°C)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2311C30	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
11/17/23	1135	Soil	WS23-101 0'-4'	4oz	Ice	001										
	1135		WS23-102 0'-4'			002										
	1140		WS23-103 0'-4'			003										
	1145		WS23-104 0'-4'			004										
	1145		WS23-105 0'-4'			005										
	1145		WS23-106 0'-4'			006										
	1150		WS23-107 0'-4'			007										
	1145		WS23-108 0'-4'			008										

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
11/17/23	1645	Brenda Alonzo			11/27/23	930
11/27/23	1900			courier	11/28/23	7:40

Remarks:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

eurofins | Environment Testing

Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

January 30, 2024

Sally Carttar

Vertex Resources Services, Inc.
3101 Boyd Drive
Carlsbad, NM 88220
TEL: (505) 506-0040
FAX:

RE: Prometheus OrderNo.: 2401882

Dear Sally Carttar:

Eurofins Environment Testing South Central, LLC received 7 sample(s) on 1/23/2024 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please do not hesitate to contact Eurofins Albuquerque for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2401882**
Date Reported: **1/30/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-169 0-4'
Project: Prometheus
Collection Date: 1/19/2024 8:35:00 AM
Lab ID: 2401882-001 **Matrix:** SOIL **Received Date:** 1/23/2024 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JKU**
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/24/2024 8:13:56 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/24/2024 8:13:56 PM
Surr: DNOP	83.4	69-147		%Rec	1	1/24/2024 8:13:56 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/24/2024 3:00:00 PM
Surr: BFB	108	15-244		%Rec	1	1/24/2024 3:00:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	1/24/2024 3:00:00 PM
Toluene	ND	0.048		mg/Kg	1	1/24/2024 3:00:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/24/2024 3:00:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/24/2024 3:00:00 PM
Surr: 4-Bromofluorobenzene	99.7	39.1-146		%Rec	1	1/24/2024 3:00:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	71	60		mg/Kg	20	1/24/2024 9:01:24 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix
E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit
P	Sample pH Not In Range
PQL	Practical Quanitative Limit
RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.

Analytical Report
Lab Order **2401882**
Date Reported: **1/30/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: WS23-170 0-4'
Project: Prometheus
Collection Date: 1/19/2024 8:40:00 AM
Lab ID: 2401882-002 **Matrix:** SOIL **Received Date:** 1/23/2024 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JKU**
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	1/24/2024 8:37:48 PM
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/24/2024 8:37:48 PM
Surr: DNOP	85.3	69-147		%Rec	1	1/24/2024 8:37:48 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/24/2024 4:06:00 PM
Surr: BFB	107	15-244		%Rec	1	1/24/2024 4:06:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	1/24/2024 4:06:00 PM
Toluene	ND	0.047		mg/Kg	1	1/24/2024 4:06:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/24/2024 4:06:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/24/2024 4:06:00 PM
Surr: 4-Bromofluorobenzene	98.6	39.1-146		%Rec	1	1/24/2024 4:06:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	ND	60		mg/Kg	20	1/24/2024 9:46:52 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401882**
Date Reported: **1/30/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-235 4'
Project: Prometheus
Collection Date: 1/19/2024 8:55:00 AM
Lab ID: 2401882-003 **Matrix:** SOIL **Received Date:** 1/23/2024 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JKU**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/24/2024 8:49:37 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/24/2024 8:49:37 PM
Surr: DNOP	83.2	69-147		%Rec	1	1/24/2024 8:49:37 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/24/2024 5:12:00 PM
Surr: BFB	101	15-244		%Rec	1	1/24/2024 5:12:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	1/24/2024 5:12:00 PM
Toluene	ND	0.046		mg/Kg	1	1/24/2024 5:12:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	1/24/2024 5:12:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	1/24/2024 5:12:00 PM
Surr: 4-Bromofluorobenzene	94.2	39.1-146		%Rec	1	1/24/2024 5:12:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	810	60		mg/Kg	20	1/24/2024 10:32:27 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401882**
Date Reported: **1/30/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-236 4'
Project: Prometheus
Collection Date: 1/19/2024 9:00:00 AM
Lab ID: 2401882-004 **Matrix:** SOIL **Received Date:** 1/23/2024 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JKU**
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	1/24/2024 9:01:31 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/24/2024 9:01:31 PM
Surr: DNOP	86.2	69-147		%Rec	1	1/24/2024 9:01:31 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/24/2024 5:34:00 PM
Surr: BFB	106	15-244		%Rec	1	1/24/2024 5:34:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	1/24/2024 5:34:00 PM
Toluene	ND	0.048		mg/Kg	1	1/24/2024 5:34:00 PM
Ethylbenzene	ND	0.048		mg/Kg	1	1/24/2024 5:34:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/24/2024 5:34:00 PM
Surr: 4-Bromofluorobenzene	95.6	39.1-146		%Rec	1	1/24/2024 5:34:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	430	60		mg/Kg	20	1/24/2024 10:47:37 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401882**
Date Reported: **1/30/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-237 4'
Project: Prometheus
Collection Date: 1/19/2024 9:05:00 AM
Lab ID: 2401882-005 **Matrix:** SOIL **Received Date:** 1/23/2024 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JKU**
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/24/2024 9:13:23 PM
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/24/2024 9:13:23 PM
Surr: DNOP	87.2	69-147		%Rec	1	1/24/2024 9:13:23 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/24/2024 5:56:00 PM
Surr: BFB	113	15-244		%Rec	1	1/24/2024 5:56:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.024		mg/Kg	1	1/24/2024 5:56:00 PM
Toluene	ND	0.047		mg/Kg	1	1/24/2024 5:56:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/24/2024 5:56:00 PM
Xylenes, Total	ND	0.095		mg/Kg	1	1/24/2024 5:56:00 PM
Surr: 4-Bromofluorobenzene	100	39.1-146		%Rec	1	1/24/2024 5:56:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	700	60		mg/Kg	20	1/24/2024 11:02:46 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401882**
Date Reported: **1/30/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-238 4'
Project: Prometheus
Collection Date: 1/19/2024 9:10:00 AM
Lab ID: 2401882-006 **Matrix:** SOIL **Received Date:** 1/23/2024 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JKU**
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	1/24/2024 9:25:18 PM
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	1/24/2024 9:25:18 PM
Surr: DNOP	86.0	69-147		%Rec	1	1/24/2024 9:25:18 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/24/2024 6:18:00 PM
Surr: BFB	106	15-244		%Rec	1	1/24/2024 6:18:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	1/24/2024 6:18:00 PM
Toluene	ND	0.046		mg/Kg	1	1/24/2024 6:18:00 PM
Ethylbenzene	ND	0.046		mg/Kg	1	1/24/2024 6:18:00 PM
Xylenes, Total	ND	0.092		mg/Kg	1	1/24/2024 6:18:00 PM
Surr: 4-Bromofluorobenzene	93.3	39.1-146		%Rec	1	1/24/2024 6:18:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **KCB**
Chloride	2300	150		mg/Kg	50	1/25/2024 12:14:01 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

Analytical Report
Lab Order **2401882**
Date Reported: **1/30/2024**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.
Client Sample ID: BS23-239 4'
Project: Prometheus
Collection Date: 1/19/2024 9:15:00 AM
Lab ID: 2401882-007 **Matrix:** SOIL **Received Date:** 1/23/2024 8:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **JKU**
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/24/2024 9:37:08 PM
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/24/2024 9:37:08 PM
Surr: DNOP	86.8	69-147		%Rec	1	1/24/2024 9:37:08 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/24/2024 6:40:00 PM
Surr: BFB	103	15-244		%Rec	1	1/24/2024 6:40:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**
Benzene	ND	0.023		mg/Kg	1	1/24/2024 6:40:00 PM
Toluene	ND	0.047		mg/Kg	1	1/24/2024 6:40:00 PM
Ethylbenzene	ND	0.047		mg/Kg	1	1/24/2024 6:40:00 PM
Xylenes, Total	ND	0.094		mg/Kg	1	1/24/2024 6:40:00 PM
Surr: 4-Bromofluorobenzene	93.5	39.1-146		%Rec	1	1/24/2024 6:40:00 PM
EPA METHOD 300.0: ANIONS						Analyst: **SNS**
Chloride	1400	60		mg/Kg	20	1/24/2024 11:33:05 PM

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Above Quantitation Range/Estimated Value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401882**

30-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-80079**	SampType: **MBLK**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **80079**	RunNo: **102655**							
Prep Date: **1/24/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793216**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-80079**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **80079**	RunNo: **102655**							
Prep Date: **1/24/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793217**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401882**

30-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **MB-80076**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **80076**	RunNo: **102657**
Prep Date: **1/24/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793415** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.6	69	147			

Sample ID: **LCS-80076**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **80076**	RunNo: **102657**
Prep Date: **1/24/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793416** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.9	61.9	130			
Surr: DNOP	4.4		5.000		88.4	69	147			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401882**

30-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-80058**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **80058**	RunNo: **102685**
Prep Date: **1/23/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793629** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	70	130			
Surr: BFB	2300		1000		233	15	244			

Sample ID: **mb-80058**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **80058**	RunNo: **102685**
Prep Date: **1/23/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793630** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		107	15	244			

Sample ID: **2401882-001ams**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-169 0-4'**	Batch ID: **80058**	RunNo: **102685**
Prep Date: **1/23/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793632** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.7	23.65	0	118	70	130			
Surr: BFB	2400		946.1		249	15	244			S

Sample ID: **2401882-001amsd**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **WS23-169 0-4'**	Batch ID: **80058**	RunNo: **102685**
Prep Date: **1/23/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793633** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.8	23.81	0	114	70	130	2.34	20	
Surr: BFB	2300		952.4		242	15	244	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2401882**

30-Jan-24

Client: Vertex Resources Services, Inc.

Project: Prometheus

Sample ID: **lcs-80058**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **80058**	RunNo: **102685**
Prep Date: **1/23/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793656** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	70	130			
Toluene	1.0	0.050	1.000	0	101	70	130			
Ethylbenzene	1.0	0.050	1.000	0	103	70	130			
Xylenes, Total	3.1	0.10	3.000	0	104	70	130			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	39.1	146			

Sample ID: **mb-80058**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **80058**	RunNo: **102685**
Prep Date: **1/23/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793657** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	39.1	146			

Sample ID: **2401882-002ams**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-170 0-4'**	Batch ID: **80058**	RunNo: **102685**
Prep Date: **1/23/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793660** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.023	0.9363	0	115	70	130			
Toluene	1.1	0.047	0.9363	0	115	70	130			
Ethylbenzene	1.1	0.047	0.9363	0	118	70	130			
Xylenes, Total	3.3	0.094	2.809	0	119	70	130			
Surr: 4-Bromofluorobenzene	0.92		0.9363		98.0	39.1	146			

Sample ID: **2401882-002amsd**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **WS23-170 0-4'**	Batch ID: **80058**	RunNo: **102685**
Prep Date: **1/23/2024**	Analysis Date: **1/24/2024**	SeqNo: **3793661** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.023	0.9381	0	109	70	130	5.30	20	
Toluene	1.0	0.047	0.9381	0	109	70	130	4.91	20	
Ethylbenzene	1.0	0.047	0.9381	0	112	70	130	5.40	20	
Xylenes, Total	3.2	0.094	2.814	0	113	70	130	5.09	20	
Surr: 4-Bromofluorobenzene	0.90		0.9381		95.7	39.1	146	0	0	

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of standard limits. If undiluted results may be estimated.
B	Analyte detected in the associated Method Blank
E	Above Quantitation Range/Estimated Value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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Eurofins Environment Testing South Central, LLC
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: **Vertex Resources** Work Order Number: **2401882** RcptNo: **1**

Received By: **Joseph Alderette** **1/23/2024 8:15:00 AM**

Completed By: **Desiree Dominguez** **1/23/2024 8:33:37 AM**

Reviewed By: TMC 1/23/24

Chain of Custody

1. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
2. How was the sample delivered?	Courier		

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

# of preserved bottles checked for pH: _____ (<2 or >12 unless noted)

Adjusted? _____

Checked by: 1-23-24

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date: _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. **Cooler Information**

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.0	Good	Yes	Yogi		

Received by OCD: 6/10/2025 11:01:29 AM

Released to Imaging: 7/18/2025 11:52:52 AM

Chain-of-Custody Record

Client: Vertex

Mailing Address:

Phone #:

email or Fax#:

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
☐ Standard X Rush_72-hour rush

Project Name:
Prometheus

Project #:
23E-03329

Project Manager:
Sally Carttar

Sampler: L. Pullman
On Ice: ☑ Yes ☐ No
# of Coolers: 1
Cooler Temp(including CF): 3.8 +0.2 = 4.0°C Hagi

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2401882	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
01/19/24	8:35	Soil	WS23-169 0-4'	1, 4oz jar		-001	X	X					X			
01/19/24	8:40	Soil	WS23-170 0-4'	1, 4oz jar		-002	X	X					X			
01/19/24	8:55	Soil	BS23-235 4'	1, 4oz jar		-003	X	X					X			
01/19/24	9:00	Soil	BS23-236 4'	1, 4oz jar		-004	X	X					X			
01/19/24	9:05	Soil	BS23-237 4'	1, 4oz jar		-005	X	X					X			
01/19/24	9:10	Soil	BS23-238 4'	1, 4oz jar		-006	X	X					X			
01/19/24	9:15	Soil	BS23-239 4'	1, 4oz jar		-007	X	X					X			

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
1-20-24	07:00	Zak Pullman			1/22/24	1015
1/22/24	1900			courier	1-23-24	8:15

Remarks:
Ace Fluid Solutions
cc. MMoffitt@vertex.ca, SCarttar@vertex.ca for Final Report
Base/Wall samples can remain labeled BS/WS23

1/1

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

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

QUESTIONS

Action 472663

QUESTIONS

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 472663
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Prerequisites	
Incident ID (n#)	**nAPP2226241849**
Incident Name	**NAPP2226241849 PROMETHEUS FRAC LINE @ 30-025-41139**
Incident Type	**Produced Water Release**
Incident Status	**Re-vegetation Report Received**
Incident Well	**[30-025-41139] JACKSON UNIT #020H**

Location of Release Source	
Please answer all the questions in this group.	
Site Name	PROMETHEUS FRAC LINE
Date Release Discovered	09/12/2022
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: Human Error | Flow Line - Production | Produced Water | Released: 3,249 BBL | Recovered: 240 BBL | Lost: 3,009 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.*

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QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 472663
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

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: 02/08/2024

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QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 472663
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Site Characterization	
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 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 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between ½ and 1 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
Requesting a remediation plan approval with this submission		Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Have the lateral and vertical extents of contamination been fully delineated		Yes
Was this release entirely contained within a lined containment area		No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	2400
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	0
GRO+DRO	(EPA SW-846 Method 8015M)	0
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.		
On what estimated date will the remediation commence		06/12/2023
On what date will (or did) the final sampling or liner inspection occur		06/12/2023
On what date will (or was) the remediation complete(d)		01/19/2024
What is the estimated surface area (in square feet) that will be reclaimed		118630
What is the estimated volume (in cubic yards) that will be reclaimed		11476
What is the estimated surface area (in square feet) that will be remediated		76117
What is the estimated volume (in cubic yards) that will be remediated		11476
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.		

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QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 472663
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Remediation Plan (continued)	
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
(Select all answers below that apply.)	
(Ex Situ) Excavation and **off-site** disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for **off-site** disposal	R360 ARTESIA LLC LANDFARM [fEEM0112340644]
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	No
OR is the **off-site** disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and **on-site** remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Chance Dixon Title: Project Manager Email: cdixon@vertex.ca Date: 02/08/2024
The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.	

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QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 472663
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

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

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QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 472663
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	**303846**
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	**01/19/2024**
What was the (estimated) number of samples that were to be gathered	**2**
What was the sampling surface area in square feet	**400**

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	76117
What was the total volume (cubic yards) remediated	11476
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	118630
What was the total volume (in cubic yards) reclaimed	11476
Summarize any additional remediation activities not included by answers (above)	Areas reasonably needing attention in the vicinity of the release were delineated to NMOCD's strictest closure criteria. No additional remedial activities were required outside of the release area.

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Chance Dixon Title: Project Manager Email: cdixon@vertex.ca Date: 02/08/2024

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QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 472663
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	Yes
What was the total reclamation surface area (in square feet) for this site	76117
What was the total volume of replacement material (in cubic yards) for this site	11476
Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.	
Is the soil top layer complete and is it suitable material to establish vegetation	Yes
On what (estimated) date will (or was) the reseeding commence(d)	05/10/2024
Summarize any additional reclamation activities not included by answers (above)	Site was contoured and seeded by May 10, 2024 after remediation closure approval.
The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 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: 06/10/2025

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QUESTIONS (continued)

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 472663
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

QUESTIONS

Revegetation Report	
Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.	
Requesting a restoration complete approval with this submission	Yes
What was the total revegetation surface area (in square feet) for this site	76117
Per Paragraph (2) of Subsection D of 19.15.29.13 NMAC the responsible party must reseed disturbed area in the first favorable growing season following closure of the site.	
On what date did the reseeding commence	05/10/2024
On what date was the vegetative cover inspected	05/19/2025
What was the life form ratio compared to pre-disturbance levels	50
What was the total percent plant cover compared to pre-disturbance levels	70
Summarize any additional revegetation activities not included by answers (above)	Site has been successfully revegetated with a life form ratio of 50% and plant coverage of 70% to pre-disturbance levels.
The responsible party must attach information demonstrating they have complied with all applicable re-vegetation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any life form ratio and percent plant cover sampling diagrams or other relevant field notes, photographs of re-vegetated areas, and a narrative of the re-vegetation activities. Refer to 19.15.29.13 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: 06/10/2025
Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete.	

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CONDITIONS

Operator: Jonah Energy LLC 370 17th Street Denver, CO 80202	OGRID: 333010
	Action Number: 472663
	Action Type: [C-141] Revegetation Report C-141 (C-141-v-Revegetation)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	7/18/2025