Page 6

Oil Conservation Division

Incident ID	nAPP2201957333
District RP	
Facility ID	fAPP2201734945
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 \overline{X} Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

 $\overline{\mathbf{X}}$ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kelton Beaird	Title: Environmental Manager
Signature:	Date:6-13-23
email: KBeaird@btaoil.com	Telephone: <u>432-312-2203</u>
OCD Only	
Received by: Jocelyn Harimon	Date:06/13/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: <u><i>Robert Hamlet</i></u>	Date: <u>11/6/2023</u>
Printed Name: Robert Hamlet	Title: Environmental Specialist - Advanced

•



May 10, 2022

Vertex Project #: 22E-00196

Spill Closure Report:	Nymeyer A#1 Tank Battery		
	Unit C, Section 15, Township 23 South, Range 28 East		
	API: 30-015-26576		
	County: Eddy		
	Incident ID: nAPP2201957333		

Prepared For:BTA Oil Producers, LLC104 South Pecos StreetMidland, Texas 79701

New Mexico Oil Conservation Division - District 2 - Artesia 811 S. 1st Street Artesia, New Mexico 88210

BTA Oil Producers, LLC (BTA) retained Vertex Resource Services Inc. (Vertex) to conduct a spill assessment and remediation for an oil release that occurred on January 18, 2022, at Nymeyer A#1 Tank Battery, API 30-015-26576 (hereafter referred to as "Nymeyer"). BTA submitted an initial C-141 Release Notification (Attachment 1) to New Mexico Oil Conservation Division (NMOCD) District 2 on January 19, 2022. Incident ID number nAPP2201957333 was assigned to this incident.

This letter provides a description of the release assessment and remediation activities and demonstrates that closure criteria established in Table I of *19.15.29.12 New Mexico Administrative Code* (NMAC; New Mexico Oil Conservation Division, 2018) are being met and all applicable regulations are being followed. This document is intended to serve as a final report to obtain approval from NMOCD for closure of this release, with the understanding that restoration of the release site will be deferred until such time as all oil and gas activities are terminated and the site is reclaimed per 19.15.29.13.

Incident Description

On January 18, 2022, a release at BTA's Nymeyer site occurred when there was a malfunction on a dump valve causing fluid to dump into the water tank. The fluid overflowed the tank and it spilled into the area inside the earthen containment. The overflow of the tank resulted in the release of 10 barrels of oil into the containment. After the release, a hydrovac was brought on-site to recover the fluids. The volume of the recovered fluids is unknown. No oil was released into waterways.

Site Characterization

The release at Nymeyer occurred on private land at 32.31074° N, 104.07748° W, approximately 1.98 miles northeast of Loving, New Mexico. The legal description for the site is Unit C, Section 15, Township 23 South, Range 28 East in Eddy County, New Mexico. This location is within the Permian Basin in southeast New Mexico and has historically been used

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201 S Mesa Street, Carlsbad, New Mexico 88220, USA | P 575.725.5001

for oil and gas exploration and production, and rangeland.

Nymeyer is typical of oil and gas exploration and production sites on the western portion of the Permian Basin and is currently used for oil and gas production and storage. The following sections specifically describe the release area on the southwest corner of the constructed pad where the earthen containment is located, directly north of the access road (Attachment 2 – Figure 1).

The surrounding landscape is associated with ridges, fans, fan remnants, and alluvial fans with elevations ranging between 1,100 and 5,300 feet. The climate is semiarid with average annual precipitation ranging between 7 and 15 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be principally tobosa, black grama, and blue grama. Grasses with shrubs and half-shrubs dominate the historic plant community (United States Department of Agriculture, Natural Resources Conservation Service, 2021). Limited to no vegetation is allowed to grow on the compacted production pad, right of way, and access road.

The Geological Map of New Mexico indicates the surface geology at Nymeyer is comprised primarily of Qa – Alluvium from the Holocene to upper Pleistocene ages (The New Mexico Bureau of Geology and Mineral Resources, 2022)_The United States Department of Agriculture Web Soil Survey characterizes the soil at the site as Reagan Loam, Upton Gravelly, and Upton Soils. The soil is well-drained with low to high runoff. The karst geology potential for Nymeyer is medium (United States Department of the Interior, Bureau of Land Management, 2022)

There is no surface water located at Nymeyer. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is the Pecos River located approximately 0.97 miles east of the site. There is a riverine located approximately 0.6 miles south of the site (United States Fish and Wildlife Service, 2022). At Nymeyer, there are no continuously flowing watercourses or significant watercourses, lakebeds, sinkholes, playa lakes or other critical water or community features as outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

The nearest active well to Nymeyer is a USGS monitoring well located approximately 0.40 miles southwest of the site (United States Department of the Interior, United States Geological Survey, 2021). Data from 2022 shows the USGS well had a depth to groundwater of 20 feet below ground surface (bgs). Information pertaining to the depth to groundwater determination is included in Attachment 3.

Closure Criteria Determination

Using site characterization information, a closure criteria determination worksheet (Attachment 3) was completed to determine if the release was subject to any of the special case scenarios outlined in Paragraph (4) of Subsection C of 19.15.29.12 NMAC.

Based on the data included in the closure criteria determination worksheet, the release at Nymeyer is not subject to the requirements of Paragraph (4) of Subsection C of 19.15.29.12 NMAC. The nearest groundwater data is younger than 25 years and located closer than 0.5 miles from the release site; therefore, the depth to groundwater can accurately be determined. The closure criteria for the site is determined to be associated with the following constituent concentration limits (Table 1).

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Table 1. Closure Criteria for Soils Impacted by a Release				
Minimum depth below any point within the horizontal boundary of the release to groundwater less than 10,000 mg/l TDS	Constituent	Limit		
	Chloride	600 mg/kg		
	TPH (GRO+DRO+MRO)	100 mg/kg		
< 50 feet	BTEX	50 mg/kg		
	Benzene	10 mg/kg		

Remedial Actions

On January 18, 2022, BTA contracted Vertex to complete release delineation and remediation at Nymeyer through field screening procedures, oversight of the remediation fieldwork, and final confirmatory sampling. The initial spill inspection and site characterization activities at Nymeyer were completed by Vertex on February 10 through March 9, 2022. The daily field reports and field screening data associated with the visits are included in Attachment 4. The extent of the release was determined to be approximately 5,055 square feet. Initial characterization sample locations are presented in Figure 1 (Attachment 2) and laboratory results are presented in Table 2 (Attachment 6).

During excavation and following the completion of excavation activities from March 24 to April 19, 2022, Vertex provided four 48-hour notifications of confirmation sampling to NMOCD (Attachment 5), as required by Subparagraph (a) of Paragraph (1) of Subsection D 19.15.29.12 NMAC. The release was remediated horizontally and vertically between March 24 and April 20, 2022, with a Vertex representative on-site to conduct field screening procedures. The final square footage of the excavation was 6,411 square feet. On April 20, 2022, excavation was completed with approximately 908 total yards excavated and hauled to Lea Land Disposal Site New Mexico.

On March 28 through April 20, 2022, Vertex collected a total of 35 five-point composite confirmatory samples from the base and sidewalls of the excavation, at depths ranging between 2 feet and 8 feet bgs. Each composite sample was representative of no more than 200 square feet per the alternate sampling method outlined in Subparagraph (c) of Paragraph (1) of Subsection D 19.15.29.12 NMAC, which does not require prior NMOCD approval. The composite samples were placed into laboratory-provided containers, preserved on ice, and submitted to a National Environmental Laboratory Accreditation Program-approved laboratory for chemical analysis.

On April 26, 2022, backfill was completed for the release. Approximately 700 yards of clean, uncontaminated soil were obtained from the landowner for this purpose.

Laboratory analyses included Method 300.0 for chlorides, Method 8021B for volatile organics, including BTEX, and EPA Method 8015 for TPH, including MRO, DRO, and GRO. Confirmatory sample analytical data are summarized in Attachment 6. Laboratory data reports and chain of custody forms are included in Attachment 7.

A GeoExplorer 7000 Series Trimble global positioning system unit, or equivalent, was used to map the approximate center of each of the five-point composite samples. The confirmatory sample locations are presented on Figure 2 (Attachment 2). Relevant equipment and prominent features/reference points at the site are mapped as well.

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BTA Oil Producers, LLC Nymeyer A#1, nAPP2201957333

Closure Request

Vertex recommends no additional remediation action to address the release at Nymeyer. Laboratory analyses of confirmation samples collected at Nymeyer show final confirmatory values below NMOCD closure criteria for areas where depth to groundwater is less than 50 feet bgs as presented in Table 1. There are no anticipated risks to human, ecological or hydrological receptors at the release site.

The excavation was backfilled with non-waste-containing, uncontaminated, earthen material, sourced locally, and placed to meet the site's existing grade to prevent water ponding and erosion.

Vertex requests that this incident (nAPP2201957333) be closed as all closure requirements set forth in Subsection E of 19.15.29.12 NMAC have been met. BTA certifies that all information in this report and the attachments is correct, and that they have complied with all applicable closure requirements and conditions specified in Division rules and directives to meet NMOCD requirements to obtain closure on the January 18, 2022, release at Nymeyer.

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

Chance Dixon

Chance Dixon, B.Sc. PROJECT MANAGER, REPORTING

5/10/2022

Date

Dhugal Hanton

Dhugal Hanton B.Sc., P.Ag., SR/WA, P.Biol. VP US OPERATIONS, REPORT REVIEW

5/10/2022

Date

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Attachments

- Attachment 2. Figures
- Attachment 3. Closure Criteria for Soils Impacted by a Release Research Determination Documentation
- Attachment 4. Daily Field Reports with Photographs and Daily Soil Sampling Reports
- Attachment 5. Required 48-Hour Notification of Confirmatory Sampling to Regulatory Agencies
- Attachment 6. Summarized Lab Data Tables
- Attachment 7. Laboratory Data Reports and Chain of Custody Forms

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References

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- New Mexico Office of the State Engineer, New Mexico Water Rights Reporting System. (2019). *Well Log/Meter Information Report*. Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/meterReport.html
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- United States Department of the Interior, Bureau of Land Management. (2019) *New Mexico Cave/Karsts*. Retrieved from https://www.blm.gov/programs/recreation/recreation-programs/caves/new-mexico
- United State Fish and Wildlife Service. (2019). National Wetland Inventory Surface Waters and Wetland. Retrieved from https://www.fws.gov/wetlands/data/mapper.html

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Limitations

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

The information and conclusions contained in this report are based upon work undertaken by trained professionals 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 judgment of Vertex based on the data collected during the assessment. Due to the nature of the assessment and the data available, Vertex cannot warrant undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be considered legal advice.

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ATTACHMENT 1

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Page 10 of 271

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	nAPP2201957333
District RP	
Facility ID	fAPP2201734945
Application ID	

Release Notification

Responsible Party

Responsible Party: BTA Oil Producers, LLC	OGRID: 260297		
Contact Name: Bob Hall	Contact Telephone: 432-682-3753		
Contact email: bhall@btaoil.com	Incident # (assigned by OCD) nAPP2201957333		
Contact mailing address: 104 S. Pecos St., Midland, TX 79	701		

Location of Release Source

Latitude: 32.31074 Longitude: -104.07748

(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Nymeyer A #1 Tank Battery	Site Type: Tank Battery
Date Release Discovered: 1/18/2022	API# (if applicable) Nearest well: Nymeyer A #1 API #30-015- 26576

Unit Letter	Section	Township	Range	County
С	15	235	28E	Eddy

Surface Owner: State Federal Tribal Private (Name: Nymeyer Farms LLC)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

🔀 Crude Oil	Volume Released (bbls) 10 BBL	Volume Recovered (bbls) TBD
Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	Yes No
Condensate	Volume Released (bbls)	Volume Recovered (bbls)
Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Malfunction of controller on dump valve.

Causing fluid to dump to water tank and overflowing the tank. Spill went onto an area inside the earthen dike walls. Unknown volume of oil recovered as of date of this report being filed.

(Spill calculation spreadsheet pending measurement of affected area.)

Received by OCD: 6/13/2023 8:27:40 AM State of New Mexico

Oil Conservation Division

Incident ID nAPP2201957333 District RP Facility ID fAPP2201734945

Application ID

Site Assessment/Characterization

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

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

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

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

- X Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- X Field data
- X Data table of soil contaminant concentration data
- X Depth to water determination
- \overline{X} Determination of water sources and significant watercourses within $\frac{1}{2}$ -mile of the lateral extents of the release
- X Boring or excavation logs
- X Photographs including date and GIS information
- Х Topographic/Aerial maps
- X Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

Page 11 of 271

Page 3

Received by OCD: 6/13/2023 8:2 Form C-141	27:40 AM State of New Mexico		Incident ID	Page 12 of 271 nAPP2201957333
Page 4 Oil Conservation Div			District RP	
			Facility ID	fAPP2201734945
			Application ID	
regulations all operators are requir public health or the environment. failed to adequately investigate and	n given above is true and complete to the ed to report and/or file certain release noti The acceptance of a C-141 report by the C d remediate contamination that pose a thre 41 report does not relieve the operator of	fications and perform c OCD does not relieve th at to groundwater, surf responsibility for comp	orrective actions for rele e operator of liability sh ace water, human health liance with any other fe onmental Manag	eases which may endanger ould their operations have or the environment. In deral, state, or local laws
OCD Only				
Received by: Jocelyn	Harimon	Date: 06	/13/2023	

Page 6

Oil Conservation Division

Incident ID	nAPP2201957333
District RP	
Facility ID	fAPP2201734945
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

<u>Closure Report Attachment Checklist</u>: Each of the following items must be included in the closure report.

X A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 \overline{X} Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

X Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

X Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Kelton Beaird	Title: Environmental Manager			
Signature:	Date:6-13-23			
email: KBeaird@btaoil.com	Telephone: <u>432-312-2203</u>			
OCD Only				
Received by: Jocelyn Harimon	Date:06/13/2023			
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.				
Closure Approved by:	Date:			
Printed Name:				

ATTACHMENT 2





ATTACHMENT 3

Received by OCD: 6/13/2023 8:27:40 AM Nymeyer A #1 Tank Battery

31

10

17

732

Nearest USGS Well: 321818104043601 Distance To Well: 0.40 miles(2,115 feet) DTGW:20 feet Last Reading: 2021



Nymeyer A#1 Tank Battery

Page 18 of 271

387

N

Nymeyer A #1 Tank Battery

Centurion Pipeline LP

the kanality.

1

S21818104043601

Gragic Fatty 71/6/2023 2:06:02 PM

a state in

2000 ft





USGS Home Contact USGS Search USGS

National Water Information System: Web Interface

obdo water Resources	Groundwater	 Unite
USGS Water Resources	Data Category:	Geogra

Geographic Area: United States

GO

Click to hideNews Bulletins

- Explore the NEW <u>USGS National Water Dashboard</u> interactive map to access realtime water data from over 13,500 stations nationwide.
- Full News 🔊

Groundwater levels for the Nation

Important: <u>Next Generation Monitoring Location Page</u>

Search Results -- 1 sites found

site_no list =

• 321818104043601

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 321818104043601 23S.28E.15.32111

Available data for this site Groundwater: Field measurements V GO

Eddy County, New Mexico Hydrologic Unit Code 13060011

Latitude 32°18'18.5", Longitude 104°04'44.7" NAD83

Land-surface elevation 3,004.90 feet above NGVD29

The depth of the well is 160 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data		
Tab-separated data		
Graph of data		
Reselect period		



Breaks in the plot represent a gap of at least one year between field measurements. <u>Download a presentation-quality graph</u>

Questions about sites/data? Feedback on this web site Automated retrievals Help Data Tips Explanation of terms Subscribe for system changes News

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2022-01-25 09:29:38 EST 0.56 0.48 nadww01



pill Coo	rdinates:	X: 32.31074	Y: -104.07748
ite Spec	ific Conditions	Value	Unit
1	Depth to Groundwater	20	feet
2	Within 300 feet of any continuously flowing watercourse or any other significant watercourse	5,134	feet
3	Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary high-water mark)	13,826	feet
4	Within 300 feet from an occupied residence, school, hospital, institution or church	1,810	feet
5	 i) Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 	2,115	feet
	ii) Within 1000 feet of any fresh water well or spring	2,115	feet
 Within incorporated municipal boundaries or wit defined municipal fresh water field covered unde municipal ordinance adopted pursuant to Sectior 3 NMSA 1978 as amended, unless the municipalit specifically approves 		No	(Y/N)
7	Within 300 feet of a wetland	3,150	feet
8	Within the area overlying a subsurface mine	No	(Y/N)
9	Within an unstable area (Karst Map)	Medium	Critical High Medium Low
10	Within a 100-year Floodplain	500	year
11 Soil Type		Rc, Uo, Up	
12 Ecological Classification		Loamy, Shallow	
13	Geology	Qa	
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	<50'	<50' 51-100' >100'

ATTACHMENT 4



Client:	BTA Oil Producers LLC	Inspection Date:	2/10/2022
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	2/11/2022 12:25 AM
Client Contact Name:	Bob Hall	API #:	
Client Contact Phone #:	432-312-2203		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
Summary of Times			
Arrived at Site	2/10/2022 7:25 AM		
Departed Site	2/10/2022 4:15 PM		

Field Notes

9:26 Arrived on site to begin delineation.

9:27 Collected BH22-01 through BH22-11 around the containment. All of them hit refusal at 1-2'.

13:52 BH22-01 is hot on chlorides at surface and 2'.

BH22-02 is hot on chlorides at surface and clean on all field screening at 2'.

BH22-03 is clean on all field screening at surface and 2'.

BH22-04 is clean on all field screening at surface and 2'.

BH22-05 is hot on chlorides at surface and hot on TPH and chlorides at 2'.

BH22-06 is clean on all field screening at surface and 2'.

BH22-07 is hot on TPH and chlorides at surface and 2'.

BH22-08 is hot on all field screening at surface and 2'.

BH22-09 is hot on all field screening at surface and 2'.

BH22-10 is hot on all field screening at surface and 2'.

BH22-11 is hot on all field screening at 2'.

13:54 Unable to step out BH22-04, BH22-05, and BH22-11 to the south because it is parallel to farmland.

14:44 Collected BG22-01 at surface and 1' east of the location. Hit refusal at 1'. Clean on titration at both depths.



15:04 Collected BH22-12 through BH22-14. Hit refusal at 1'. Clean on all field screening at surface and 1'. They are stepped out from BH22-01, BH22-02, and BH22-10.

Next Steps & Recommendations



Site Photos Viewing Direction: West Viewing Direction: Southwest Sample area for BH22-01 through BH22-02 Sample area for BH22-12 through BH22-14 Viewing Direction: South Viewing Direction: East Sample area for BH22-03 Sample area for BH22-04 through BH22-05

Run on 2/11/2022 12:25 AM UTC











Daily Site Visit Signature

Inspector: Chance Dixon

Signature: C

•



Client:	BTA Oil Producers LLC	Inspection Date:	2/11/2022
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	2/11/2022 9:19 PM
Client Contact Name:	Bob Hall	API #:	
Client Contact Phone #:	432-312-2203		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
Summary of Times			
Arrived at Site	2/11/2022 10:25 AM		
Departed Site	2/11/2022 1:00 PM		

Field Notes

10:31 Arrived on site to finish horizontal delineation.

11:40 Collected BH22-15 through BH22-16 and BG22-02 at surface and 1' south of the pad. All hit refusal at 1'

11:41 BG22-02 ran hot on chlorides. Sending to lab for analysis.

11:41 BH22-15 and BH22-16 were under strictest criteria on all field screening.

Next Steps & Recommendations

1





Daily Site Visit Signature

Inspector: Chance Dixon

Signature:	$C\mathcal{P}$
	Signature

Run on 2/11/2022 9:19 PM UTC

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Client:	BTA Oil Producers LLC	Inspection Date:	2/15/2022
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	2/15/2022 10:07 PM
Client Contact Name:	Bob Hall	API #:	
Client Contact Phone #:	432-312-2203	-	
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
Summary of Times			
Arrived at Site	2/15/2022 7:20 AM		
Departed Site	2/15/2022 2:00 PM		

Field Notes

7:36 Arrived on site to continue vertical delineation.

7:58 Collecting BH22-01, BH22-05, BH22-08 through BH22-11 to vertically delineate.

11:08 BH22-08 hit refusal at 6.5'

11:12 BH22-07 is at refusal because it's is between the two tanks. Not enough room for the backhoe to get in there. BH22-10 will be used for vertical delineation for BH22-07

12:23 BH22-01 is all clean at 4'

BH22-05 is all clean at 4'
BH22-08 is right at strictest criteria for chlorides at 6.5'. Sending to lab for analysis.
BH22-09 is all clean at 8'
BH22-10 is all clean at 2'
BH22-11 is all clean at 2'

12:59 Field screening for vertical delineation is complete. Sending samples that at the depths at which they cleaned up to lab for analysis.

Next Steps & Recommendations

Run on 2/15/2022 10:07 PM UTC

Run on 2/15/2022 10:07 PM UTC

Daily Site Visit Report

1 Send bottom samples to lab for analysis and write work plan.

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Page 34 of 271

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Site Photos Viewing Direction: East Viewing Direction: West Sample area for BH22-05 Sample area for BH22-11 Viewing Direction: Northwest Viewing Direction: Northwest Sample area for BH22-08 Sample area for BH22-09

Run on 2/15/2022 10:07 PM UTC






Daily Site Visit Signature

Inspector: Chance Dixon

Signature:	\bigcirc
	Signature

Run on 2/15/2022 10:07 PM UTC



Client:	BTA Oil Producers LLC	Inspection Date:	3/9/2022	
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	3/9/2022 9:52 PM	
Client Contact Name:	Bob Hall	API #:		
Client Contact Phone #:	432-312-2203	-		
Unique Project ID		- Project Owner:		
Project Reference #		- Project Manager: -		
		Summary of	Times	
Arrived at Site	3/9/2022 7:20 AM			
Departed Site	3/9/2022 2:30 PM			

Field Notes

7:45 Arrived on site to complete delineation.

9:18 Began digging and hit electric line that goes from disconnect to pumping unit. Blew fuses in the disconnect and shut off pumping unit.

12:19 Collecting BH22-17 through BH22-20 at 0' and 2'. Clean on all field screening.

12:56 Collecting BH22-06 at 2', BH22-07 at 2', BH22-01 at 6', and BH22-08 at 8'. Clean on all field screening.

Next Steps & Recommendations

1 Send samples to lab for analysis and complete work plan



Site Photos Viewing Direction: Southeast Viewing Direction: Southwest Electric line that was struck Electric line that was struck Viewing Direction: Northeast Viewing Direction: Southwest Sample area for BH22-01 Electric line that was struck







Daily Site Visit Signature

Inspector: Chance Dixon

Signature: Signature

Run on 3/9/2022 9:52 PM UTC



Client:	BTA Oil Producers LLC	Inspection Date:	3/24/2022
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	3/24/2022 9:59 PM
Client Contact Name:	Bob Hall	API #:	
Client Contact Phone #:	432-312-2203		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of T	Fimes
Arrived at Site	3/24/2022 1:30 PM		
Departed Site	3/24/2022 3:15 PM		

Field Notes

13:39 Arrived on site to begin remediation for oil release.

13:40 Excavation has begun on west side of the tanks this morning. Hard and rocky material is difficult to bust through.

15:06 Excavation is fairly hard in the middle of the containment. TCB is going to attempt to get a trackhoe for tomorrow.

Next Steps & Recommendations

1 Come out with a trackhoe as soon as TCB can get one



Site Photos Viewing Direction: Southeast Viewing Direction: Northeast Excavation Excavation Viewing Direction: Northwest Viewing Direction: Southwest Excavation Excavation



Daily Site Visit Signature

Inspector: Chance Dixon

Signature:	CD
	Signature

Run on 3/24/2022 9:59 PM UTC

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Client:	BTA Oil Producers LLC	Inspection Date:	3/25/2022
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	3/25/2022 9:25 PM
Client Contact Name:	Bob Hall	API #:	
Client Contact Phone #:	432-312-2203		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of	Times
Arrived at Site	3/25/2022 8:20 AM		
Departed Site	3/25/2022 2:45 PM		

Field Notes

8:26 On site to continue excavation.

14:03 Two belly dumps hauling contaminants to LeaLand. 120 yards hauled out so far

12:21 Operator is still working to bust out the middle of the excavation in the containment area

- **12:38** The backhoe has a leak. TCB is getting a mechanic out to fix it. They are working on getting a hammer attachment to bust through the rock next week.
- **13:13** Mechanic got the backhoe fixed. Continuing work.

Next Steps & Recommendations

1 Continue excavation next week.



Site Photos Viewing Direction: Northwest Viewing Direction: Southwest Digging middle part of the excavation out Excavation slowly. Hard rocky material. Lots of river rock Viewing Direction: Southwest Viewing Direction: East Soil lithology shows to be caliche 0-2', and then Excavation being extended to the north end of river rock/aggregate 2-8' the containment

Run on 3/25/2022 9:25 PM UTC



Daily Site Visit Signature

Inspector: Chance Dixon

Signature:	ED
	Signature



Client:	BTA Oil Producers LLC	Inspection Date:	3/28/2022
Site Location Name:	Nymeyer A#1 Tank Battery	- Report Run Date:	3/28/2022 8:15 PM
Client Contact Name:	Bob Hall	- API #:	
Client Contact Phone #:	432-312-2203	-	
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of	Times
Arrived at Site	3/28/2022 7:40 AM		
Departed Site	3/28/2022 1:15 PM		

Field Notes

8:26 Arrived on site to continue excavation and begin confirmation sampling.

13:13 Material is too hard for the backhoe to dig. Another leak is on the hose

13:14 TCB is getting a trackhoe with a hammer attachment to location tomorrow to bust through the rock

Next Steps & Recommendations

1 Continue excavation with the jackhammer tomorrow

V

VERTEX

Daily Site Visit Report

Site Photos



Excavation still on west end of containment.

Run on 3/28/2022 8:15 PM UTC



Daily Site Visit Signature

Inspector: Chance Dixon

Signature: Signature



Client:	BTA Oil Producers LLC	Inspection Date:	3/29/2022
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	3/30/2022 3:05 PM
Client Contact Name:	Bob Hall	API #:	
Client Contact Phone #:	432-312-2203		
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of	Times
Arrived at Site	3/29/2022 7:30 AM		
Departed Site	3/29/2022 3:00 PM		

Field Notes

8:08 Trackhoe with jackhammer attachment is on site to try to break up the hard river rock in the excavation.

10:42 Jackhammer is able to break up material down to 8'. Working to get all of the excavation down to that depth.

13:12 Collected WES22-01 at 4', WES22-02 through WES22-03 at 2' and 4', and BES22-01 through BES22-02 at 8'. All are clean on all field screening.

13:12 TCB's backhoe broke a belt.

14:10 Backhoe won't be able to dig anymore today. TCB will try to get it fixed tomorrow or try to get a bucket attachment for the trackhoe to dig with it.

Next Steps & Recommendations

1 Continue excavation tomorrow.





Run on 3/30/2022 3:05 PM UTC







Daily Site Visit Signature

Inspector: Chance Dixon

Signature: Signature



Client:	BTA Oil Producers LLC	Inspection Date:	3/30/2022	
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	3/30/2022 10:17 PM	
Client Contact Name:	Bob Hall	API #:		
Client Contact Phone #:	432-312-2203	-		
Unique Project ID		- Project Owner:		
Project Reference #		Project Manager:		
		Summary of	limes	
Arrived at Site	3/30/2022 8:10 AM			
Departed Site	3/30/2022 3:35 PM			

Field Notes

10:02 On site to continue remediation. TCB is working to hand spot the electric line near the excavation.

14:02 One belly dump is hauling. 40 yards hauled off so far

14:03 Excavation is into the pad area north of the containment now. We are now working on circling it back toward the tanks. The material is still fairly hard to break through with the equipment. Excavation is still slow but progress is speeding up a bit.

15:23 Collected WES22-04 and BES22-03 through BES22-04. All are clean on all field screening.

Next Steps & Recommendations

1 Continue remediation tomorrow.



Site Photos Viewing Direction: Northwest Viewing Direction: South Electric line Electric line exposed to dig across it Viewing Direction: East Viewing Direction: Southwest Sample area for WES22-04

Sample area for BES22-03 through BES22-04

Run on 3/30/2022 10:17 PM UTC





Excavation out to the pad area



Daily Site Visit Signature

Inspector: Chance Dixon

Signature:	$C\mathcal{D}$
	Signature

Run on 3/30/2022 10:17 PM UTC



BTA Oil Producers LLC	Inspection Date:	3/31/2022
Nymeyer A#1 Tank	Report Run Date:	3/31/2022 10:23 PM
Бацегу		
Bob Hall	API #:	
432-312-2203		
	Project Owner:	
	Project Manager:	
	Summary of	Times
3/31/2022 9:10 AM		
3/31/2022 3:50 PM		
	Nymeyer A#1 Tank Battery Bob Hall 432-312-2203	Nymeyer A#1 Tank BatteryReport Run Date:Bob Hall 432-312-2203API #:432-312-2203Project Owner:Project Owner: Project Manager:Summary of3/31/2022 9:10 AM

Field Notes

9:11 Arrived on site to continue remediation.

9:14 Hand excavation has begun around the tanks.

14:08 Four trucks hauling. 300 yards hauled off so far

12:50 We excavated as much material as possible with the trackhoe before it is removed and the mini excavator is brought in. We are excavating around the tank approximately 2' from it to avoid disturbing the structural integrity of it.

14:04 Collected WES22-05 through WES22-06 and BES22-05 in the pad area. All are clean on all field screening.

14:37 Collected WES22-07. Clean on all field screening.

Next Steps & Recommendations

1 Continue remediation tomorrow.



Site Photos Viewing Direction: Southwest Viewing Direction: West Hand excavating around the tanks. Excavating on south side of tanks. Viewing Direction: Southeast Viewing Direction: Northwest Sample area for BES22-05 Sample area for WES22-05



Page 61 of 271





Daily Site Visit Signature

Inspector: Chance Dixon

Signature:	$\bigcirc \bigcirc$
	Signature

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Client:	BTA Oil Producers LLC	Inspection Date:	4/1/2022		
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	4/2/2022 4:26 PM		
Client Contact Name:	Bob Hall	API #:			
Client Contact Phone #:	432-312-2203				
Unique Project ID		Project Owner:			
Project Reference #		Project Manager:			
Summary of Times					
Arrived at Site	4/1/2022 8:05 AM				
Departed Site	4/1/2022 4:41 PM				

Field Notes

9:56 Arrived on site to continue remediation around the tanks and confirmation sample.

9:56 TCB has three extra guys on site to help hand dig.

10:25 Collecting WES22-08 through WES22-10 at 3' and 6' in the 8' excavation to keep up with the square footage.

10:25 WES22-08 through WES22-10 are all clean on all field screening. All that is left is getting all of the tank area down to 2'

Next Steps & Recommendations

1 Continue hand excavation on Monday.



Site Photos Viewing Direction: Southeast Viewing Direction: Southwest Sample area for WES22-08 Sample area for WES22-09 Viewing Direction: Northwest Viewing Direction: Southwest ip dig around Sample area for WES22-10 Mini excavator on site to help dig around the tanks.





Excavation on east side of tanks.





Area left to be excavated.



8' excavation is fenced off



Daily Site Visit Signature

Inspector: Chance Dixon

Signature: Signature

Run on 4/2/2022 4:26 PM UTC



Client:	BTA Oil Producers LLC	Inspection Date:	4/4/2022		
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	4/4/2022 9:52 PM		
Client Contact Name:	Bob Hall	API #:			
Client Contact Phone #:	432-312-2203				
Unique Project ID		Project Owner:			
Project Reference #		Project Manager:			
Summary of Times					
Arrived at Site	4/4/2022 1:05 PM				
Departed Site	4/4/2022 3:10 PM				

Field Notes

13:41 On site to continue excavation around the tanks.

13:46 Approximately 140 yards have been hauled off. Bringing the total to 640.

14:59 TCB still working hard to bust through the hard rock around the tanks. We are nearing the end but we will likely have to come back to finish tomorrow. Confirmation sampling will also be complete tomorrow.

Next Steps & Recommendations

1 Complete excavation and confirmation tomorrow.







Daily Site Visit Signature

Inspector: Chance Dixon	
Signature:	Signature



Client:	BTA Oil Producers LLC	Inspection Date:	4/14/2022		
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	4/21/2022 9:10 PM		
Client Contact Name:	Bob Hall	API #:			
Client Contact Phone #:	432-312-2203				
Unique Project ID		Project Owner:			
Project Reference #		Project Manager:			
Summary of Times					
Arrived at Site	4/14/2022 7:25 AM				
Departed Site	4/14/2022 8:55 AM				

Field Notes

7:26 On site to collect and field screen additional samples to keep up with 200ft square footage rule.

7:53 Collecting BES22-10 through BES22-12 and WES22-14 through WES22-15

Next Steps & Recommendations

1



Site Photos Viewing Direction: West Viewing Direction: Northeast EPT / Sample area for BES22-11 through BES22-12 Sample area for WES22-14 through WES22-15 Viewing Direction: East - no Sample area for BES22-10



Daily Site Visit Signature

Inspector: Chance Dixon

Signature: Signature


Client: BTA Oil Producers Ll		Inspection Date:	4/20/2022					
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	4/21/2022 3:42 PM					
Client Contact Name:	Bob Hall	API #:						
Client Contact Phone #:	432-312-2203	-						
Unique Project ID		- Project Owner:						
Project Reference #		Project Manager:						
Summary of Times								
Arrived at Site	4/20/2022 8:25 AM							
Departed Site	4/20/2022 4:31 PM							

Field Notes

8:28 Arrived on site to continue remediation.

10:04 Currently excavating the south side of the containment by the tanks down to 4'

15:31 Approximately 60 yards have been hauled off so far

14:11 Collected WES22-16 through WES22-18 at 3' and 6'. All clean on all field screening. Collected WES22-19 at 2' and BES22-08 at 4'. All clean on all field screening.

16:08 Collected WES22-20 through WES22-21 and BES22-06 through BES22-09 at 4'. All clean on all field screening.

Next Steps & Recommendations

1 Haul the rest of the contaminants off tomorrow.



Site Photos Viewing Direction: Southwest Viewing Direction: Southwest Excavation down to 4' WES22-01 and WES22-09 have been excavated out two feet Viewing Direction: Southeast Viewing Direction: Southwest WES22-03 and WES22-08 have been excavated WES22-02 and WES22-10 have been excavated out two feet out two feet





WES22-13 has been excavated out two feet and BES22-08 has been excavated down two feet

Viewing Direction: Southwest



Sample area for WES22-19 through WES22-20 and BES22-07 through BES22-08



Sample area for WES22-21 and BES22-06



Daily Site Visit Signature

Inspector: Chance Dixon

Signature: Signature

Run on 4/21/2022 3:42 PM UTC



STA Oil Producers LLC	Inspection Date:	4/25/2022						
Nymeyer A#1 Tank Battery	Report Run Date:	4/26/2022 12:19 AM						
Bob Hall	API #:							
32-312-2203								
	Project Owner:							
	Project Manager:							
Summary of Times								
/25/2022 7:45 AM								
/25/2022 5:36 PM								
	ymeyer A#1 Tank attery ob Hall 32-312-2203 /25/2022 7:45 AM	ymeyer A#1 Tank attery ob Hall 32-312-2203 Project Owner: Project Manager: Summary of T /25/2022 7:45 AM						

Field Notes

17:32 2' Caliche backfill on Northside of Tank Battery completed.

17:30 8' Excavation on West side of Tank Battery completely filled with Top Soil and partially topped off with Caliche

17:32 4' excavation on South side of Tank Battery partially filled with Top Soil.

17:33 LD Construction brought on site one tanker of water and spread on caliche and top soil for packing purposes

17:36 Total Caliche used: 9 loads @ 20 yards for a total of 180 yards

Total Top Soil used: 17 loads @ 20 yards for a total of 340 yards

Next Steps & Recommendations

1 Continue with Backfill until complete.



Site Photos Viewing Direction: Southwest Viewing Direction: Northwest Top Soil Load #2 Tank Battery Excavation Site Viewing Direction: Northwest Viewing Direction: Northwest Top Soil Load #6 Top Soil Load #8











Page 81 of 271









Daily Site Visit Signature

Inspector: Jarod Florez Signature:



Client:	BTA Oil Producers LLC	Inspection Date:	4/26/2022						
Site Location Name:	Nymeyer A#1 Tank Battery	Report Run Date:	4/26/2022 10:04 PM						
Client Contact Name:	Bob Hall	- API #:							
Client Contact Phone #:	432-312-2203	-							
Unique Project ID		- Project Owner:							
Project Reference #		Project Manager:							
Summary of Times									
Arrived at Site	4/26/2022 7:45 AM								
Departed Site	4/26/2022 3:30 PM								
		Field Note	25						

7:51 Arrived on site to assess backfill

8:40 Began backfilling containment

11:44 Began backfilling around east tank by hand @~0900

13:02 Extra roustabout crew arrived on location to assist backfilling @~1215

14:31 Completed backfilling and started rebuilding berm

16:01 180 yards hauled in 9 trucks

Next Steps & Recommendations

1 Complete closure report



Site Photos Viewing Direction: West Viewing Direction: South Behind tanks prior to backfilling (south side of Completed western berm containment) Viewing Direction: South Viewing Direction: East West side of containment during backfilling West side of containment during backfilling

Run on 4/26/2022 10:04 PM UTC



ed backfill and rebuilt berm (east side
nment)
Viewing Direction: Southeast
Descriptive Tripics & Versing Transformed Rescriptive
n east side of containment after on



Viewing Direction: West	Viewing Direction: East
	Descriptive Photo - 9 Viewfrg Director: East Desc: Completed north Sem. Created: 4/06/2023 324:45 PM: Lat:32.310810, Long - 104.077588
Completed north berm	Completed north berm



Daily Site Visit Signature

Inspector: McKitric Wier

Signature: Signature

Run on 4/26/2022 10:04 PM UTC

ATTACHMENT 5



Dhugal Hanton <vertexresourcegroupusa@gmail.com>

BHall@btaoil.com, dwilliams@vertex.ca

4 messages

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: EMNRD-OCD-District1spills <emnrd-ocd-district1spills@state.nm.us> Thu, Mar 24, 2022 at 8:02 AM

Good morning,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled confirmatory sampling to be conducted at Nymeyer A#1 Tank Battery for the following release: nAPP2201957333 DOR: 1/18/2022

On Monday, March 28, 2022, at approximately 8:30 a.m., Chance Dixon will be on site to conduct confirmatory sampling and will be continuous until March 30, 2022. He can be reached at 575-988-1472. If you need directions to the site or have any concerns regarding this notification, please do not hesitate to contact him.

This will be completed on behalf of BTA Oil Producers.

Thank you,

Chance Dixon

Environmental Technician

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

C 575.988.1472

 Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
 Thu, Mar 24, 2022 at 11:38 AM

 To: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
 Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>,

 "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>

Chance,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Dhugal Hanton <vertexresourcegroupusa@gmail.com> Sent: Thursday, March 24, 2022 8:02 AM To: EMNRD-OCD-District1spills <EMNRD-OCD-District1spills@state.nm.us> Subject: [EXTERNAL] BHall@btaoil.com, dwilliams@vertex.ca

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

[Quoted text hidden]

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: EMNRD-OCD-District1spills <emnrd-ocd-district1spills@state.nm.us>

Good morning,

Vertex respectfully requests that confirmation sampling for Nymeyer A#1 be extended to today, March 31,2022, and be continuous to Monday, April 4, 2022.

Thank you,

Chance Dixon

Environmental Technician

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

C 575.988.1472 [Quoted text hidden]

Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Thu, Mar 31, 2022 at 9:16 AM

Thu, Mar 31, 2022 at 7:43 AM

To: Dhugal Hanton <vertexresourcegroupusa@gmail.com> Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>, "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>

Chance,

Please, continue with the confirmation sampling. Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Dhugal Hanton <vertexresourcegroupusa@gmail.com> Sent: Thursday, March 31, 2022 7:43 AM To: EMNRD-OCD-District1spills <EMNRD-OCD-District1spills@state.nm.us> Subject: [EXTERNAL] Re: BHall@btaoil.com, dwilliams@vertex.ca

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

Good morning,

[Quoted text hidden] [Quoted text hidden]



Dhugal Hanton <vertexresourcegroupusa@gmail.com>

Nymeyer A #1 Tank Battery nAPP2201957333 Confirmation Sampling Notification

4 messages

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: "Enviro, OCD, EMNRD" <OCD.Enviro@state.nm.us> Cc: BHall@btaoil.com

Tue, Apr 12, 2022 at 8:08 AM

Good morning,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled confirmatory sampling to be conducted at Nymeyer A#1 Tank Battery for the following release: nAPP2201957333 DOR: 1/18/2022

On Thursday, April 14, 2022, at approximately 8:30 a.m., Chance Dixon will be on site to conduct additional confirmatory sampling. He can be reached at 575-988-1472. If you need directions to the site or have any concerns regarding this notification, please do not hesitate to contact him.

This will be completed on behalf of BTA Oil Producers.

Thank you,

Chance Dixon

Environmental Technician

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

C 575.988.1472

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: cdixon@vertex.ca

[Quoted text hidden]

Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

To: Dhugal Hanton <vertexresourcegroupusa@gmail.com> Cc: Bob Hall <BHall@btaoil.com>, "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Hensley, Chad, EMNRD" <Chad.Hensley@state.nm.us>, "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>

Chance,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Tue, Apr 12, 2022 at 2:22 PM

Tue, Apr 12, 2022 at 8:09 AM

Recrained by OCD: 6/13/2023 8:27:40 AM Gmail - Nymeyer A #1 Tank Battery nAPP2201957333 Confirmation Sampling Notification

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Enviro, OCD, EMNRD <<u>OCD.Enviro@state.nm.us</u>
Sent: Tuesday, April 12, 2022 8:12 AM
To: Hamlet, Robert, EMNRD <<u>Robert.Hamlet@state.nm.us</u>
Subject: Fw: [EXTERNAL] Nymeyer A #1 Tank Battery nAPP2201957333 Confirmation Sampling Notification

From: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
Sent: Tuesday, April 12, 2022 8:08 AM
To: Enviro, OCD, EMNRD <OCD.Enviro@state.nm.us>
Cc: BHall@btaoil.com <BHall@btaoil.com>
Subject: [EXTERNAL] Nymeyer A #1 Tank Battery nAPP2201957333 Confirmation Sampling Notification

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

[Quoted text hidden]

Dhugal Hanton <vertexresourcegroupusa@gmail.com> Draft To: "Hamlet, Robert, EMNRD" <Robert.Hamlet@state.nm.us> Thu, Apr 14, 2022 at 11:50 AM

[Quoted text hidden]

2



Dhugal Hanton <vertexresourcegroupusa@gmail.com>

Nymeyer A#1 Tank Battery nAPP2201957333 Confirmation Sampling Notification

1 message

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: EMNRD-OCD-District1spills <emnrd-ocd-district1spills@state.nm.us> Thu, Apr 14, 2022 at 11:47 AM

Good morning,

Please accept this email as 48-hr notification that Vertex Resource Services has scheduled confirmatory sampling to be conducted at Nymeyer A#1 Tank Battery for the following release: nAPP2201957333 DOR: 1/18/2022

On April 18, 2022, through April 19, 2022, at approximately 12:00 p.m., Chance Dixon will be on site to conduct additional confirmatory sampling. He can be reached at 575-988-1472. If you need directions to the site or have any concerns regarding this notification, please do not hesitate to contact him.

This will be completed on behalf of BTA Oil Producers.

Thank you,

Chance Dixon

Environmental Technician

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

C 575.988.1472



Dhugal Hanton <vertexresourcegroupusa@gmail.com>

Nymeyer A#1 Tank Battery nAPP2201957333 Confirmation Sampling Notification

3 messages

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: EMNRD-OCD-District1spills <emnrd-ocd-district1spills@state.nm.us> Thu, Apr 14, 2022 at 11:47 AM

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Thank you,

Chance Dixon

Environmental Technician

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

C 575.988.1472

 Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>
 Thu, Apr 14, 2022 at 2:55 PM

 To: Dhugal Hanton <vertexresourcegroupusa@gmail.com>
 Cc: "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Velez, Nelson, EMNRD" <Nelson.Velez@state.nm.us>, "Nobui, Jennifer, EMNRD" <Jennifer.Nobui@state.nm.us>

Chance,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Robert Hamlet • Environmental Specialist - Advanced

Environmental Bureau

EMNRD - Oil Conservation Division

811 S. First Street | Artesia, NM 88210

575.909.0302 | robert.hamlet@state.nm.us

http://www.emnrd.state.nm.us/OCD/



From: Dhugal Hanton <<u>vertexresourcegroupusa@gmail.com</u>> Sent: Thursday, April 14, 2022 11:48 AM To: EMNRD-OCD-District1spills <<u>EMNRD-OCD-District1spills@state.nm.us</u>> Subject: [EXTERNAL] Nymeyer A#1 Tank Battery nAPP2201957333 Confirmation Sampling Notification

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

[Quoted text hidden]

Dhugal Hanton <vertexresourcegroupusa@gmail.com> To: "Hamlet, Robert, EMNRD" <Robert.Hamlet@state.nm.us> Tue, Apr 19, 2022 at 3:08 PM

Good afternoon,

Vertex respectfully requests that confirmation be extended at Nymeyer A#1 one more day to Wednesday, April 20, 2022.

Thank you,

Chance Dixon Environmental Technician

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

C 575.988.1472 [Quoted text hidden]

ATTACHMENT 6

Client Name: BTA Oil Producers Site Name: Nymeyer A#1 Tank Battery NM OCD Tracking #: nAPP2201957333 Project #: 22E-00196 Lab Report(sX): 2202636, 2202708, 2203663

	Table 2	. Initial Character	ization Sa	mple/Fiel	d Screen a	nd Labora	tory Resu	lts - Depti	າ to Grour	ndwater <	50 feet bg	S	
5	Sample Descrip	otion	Fi	eld Screeni	ing	Petroleum Hydrocarbons							
			ds			Vol	atile			Extractable	5		Inorganic
Sample ID	Depth (ft)	Sample Date	(PID) 3 (PID) 3 (PID)	Betractable Organic Betroflag)	ଅସ୍ଥି ଆସ୍ଥି Chloride Concentration (ଅ	eus Buszene (mg/kg)	() () () () () () () () () () () () () (ଞ୍ଚ Gasoline Range Organics ଅଧି (GRO)	ଇ Diesel Range Organics ଅନୁ (DRO)	ଞ୍ଚ Motor Oil Range Organics (MRO)	(GRO + DRO) (mg/kg)	ଇ Total Petroleum ଅନ୍ଧ୍ୟ Hydrocarbons (TPH)	(mg/kg) (bloride Concentration
BG22-01	0	2/10/2022	0	-	325	ND	ND	ND	ND	ND	ND	ND	ND
BG22-01	1	2/10/2022	0	-	300	ND	ND	ND	ND	ND	ND	ND	ND
BG22-02	0	2/11/2022	0	-	507	ND	ND	ND	ND	ND	ND	ND	270
BG22-02	1	2/11/2022	0	-	1,095	ND	ND	ND	ND	ND	ND	ND	590
BH22-01	0	2/10/2022	3	-	10,347	ND	ND	ND	12	ND	12	12	9200
BH22-01	2	2/10/2022	2	31	9,050	-	-	-	-	-	-	-	-
BH22-01	4	2/15/2022	1	32	595	ND	ND	ND	ND	ND	ND	ND	770
BH22-01	6	2/15/2022	2	3	235	-	-	-	-	-	-	-	-
BH22-01	6	3/9/2022	0	28	345	ND	ND	ND	ND	ND	ND	ND	ND
BH22-02	0	2/10/2022	0	-	1,035	ND	ND	ND	ND	ND	ND	ND	400
BH22-02	1	2/10/2022	1	43	480	-	-	-	-	-	-	-	-
BH22-03	0	2/10/2022	5	-	552	ND	ND	ND	ND	ND	ND	ND	240
BH22-03	2	2/10/2022	3	57	485	ND	ND	ND	ND	ND	ND	ND	220
BH22-04	0	2/10/2022	1	-	290	ND	ND	ND	15	ND	15	15	ND
BH22-04	2	2/10/2022	1	36	412	ND	ND	ND	ND	ND	ND	ND	80
BH22-05	0	2/10/2022	2	-	717	ND	ND	ND	230	140	230	370	220
BH22-05	2	2/10/2022	2	120	1,092	-	-	-	-	-	-	-	-
BH22-05	4	2/15/2022	3	46	505	ND	ND	ND	21	ND	21	21	270
BH22-05	6	2/15/2022	3	19	235	-	-	-	-	-	-	-	-
BH22-06	0	2/10/2022	1	-	575	ND	ND	ND	ND	ND	ND	ND	170
BH22-06	1	2/10/2022	2	99	482	ND	ND	ND	ND	ND	ND	ND	1000
BH22-06	2	3/9/2022	0	31	377	ND	ND	ND	ND	ND	ND	ND	ND
BH22-07	0	2/10/2022	949	-	2,165	ND	62.7	1000	11000	4100	12000	16100	970
BH22-07	1	2/10/2022	1,944	860	2,077	-	-	-	-	-	-	-	-
BH22-07	2	3/9/2022	0	74	420	ND	ND	ND	ND	ND	ND	ND	ND
BH22-08	0	2/10/2022	2,028	-	1,700	0.89	74.89	1200	9000	3200	10200	13400	1200
BH22-08	2	2/10/2022	1,381	943	1,830	-	-	-	-	-	-	-	-
BH22-08	4	2/15/2022	562	-	2127	-	-	-	-	-	-	-	-
BH22-08	6	2/15/2022	137	93	725	-	-	-	-	-	-	-	· ·
BH22-08	6.5	2/15/2022	1	48	600	ND	ND	ND	500	310	500	810	1100
BH22-08	8	3/9/2022	0	59	458	ND	ND	ND	ND	ND	ND	ND	ND
BH22-09	0	2/10/2022	2,164	-	10,757	0.36	81.36	1000	9400	3200	10400	13600	11000
BH22-09	1	2/10/2022	913	298	382	-	-	-	-	-	-	-	-
BH22-09	2	2/15/2022	173	-	2,700		-	-	-	-	-	-	- ·
BH22-09	4	2/15/2022	177	-	207	-	-	-	-	-	-	-	-
BH22-09	6 8	2/15/2022 2/15/2022	1,020 5	386 12	302 180	- ND	- ND	- ND	- ND	- ND	- ND	- ND	- ND
BH22-09 BH22-10	8	2/15/2022	4	-	5,055	ND	ND	ND	14	ND	14	14	3700
BH22-10 BH22-10	1	2/10/2022	4	210	2,280	ND -	-	-	-	-	- 14	- 14	
BH22-10 BH22-10	2	2/10/2022	9	16	2,280	- ND	- ND	- ND	- ND	- ND	- ND	- ND	180
BH22-10 BH22-10	4	2/15/2022	9	9	175	-	-	-	-	-	-	-	- 180
BH22-10 BH22-10	6	2/15/2022	1	3	175	<u> </u>	_	-	-	-	-	-	-
BH22-10 BH22-11	0	2/10/2022	10	-	492	ND	ND	ND	100	75	100	175	67
BH22-11 BH22-11	1	2/10/2022	10	223	655	ND -	-	-	- 100	-			
BH22-11 BH22-11	2	2/15/2022	2	5	187	- ND	ND	- ND	- ND	ND	ND	ND	- ND
BH22-11 BH22-11	4	2/15/2022	2	6	202	-	-	-	-	-	-	-	-
BH22-11 BH22-12	4	2/10/2022	0	-	480	ND	ND	ND	ND	ND	ND	ND	1200
	1	2/10/2022	0	41	325	ND	ND	ND	ND	ND	ND	ND	1200
BH//-1/	-	2/ 10/ 2022		· -					ND	ND	ND		1500
BH22-12 BH22-13	0	2/10/2022	Ω	-	377	ND	ND	NID					
BH22-12 BH22-13 BH22-13	0	2/10/2022 2/10/2022	0	- 24	377 389	ND ND	ND ND	ND ND	ND	ND	ND	ND ND	1800



| BH22-14 | 1 | 2/10/2022 | 0 | 69 | 260 | ND | 1300 |
|---------|---|-----------|---|----|-----|----|----|----|----|----|----|----|------|
| BH22-15 | 0 | 2/11/2022 | 0 | 5 | 312 | ND | 180 |
| BH22-15 | 1 | 2/11/2022 | 0 | 1 | 270 | ND | 63 |
| BH22-16 | 0 | 2/11/2022 | 0 | 10 | 389 | ND | 170 |
| BH22-16 | 1 | 2/11/2022 | 0 | 0 | 477 | ND | 95 |
| BH22-17 | 0 | 3/9/2022 | 0 | 20 | 537 | ND |
| BH22-17 | 2 | 3/9/2022 | 0 | 65 | 310 | ND |
| BH22-18 | 0 | 3/9/2022 | 0 | 98 | 575 | ND |
| BH22-18 | 2 | 3/9/2022 | 0 | 42 | 575 | ND |
| BH22-19 | 0 | 3/9/2022 | 0 | 61 | 336 | ND |
| BH22-19 | 2 | 3/9/2022 | 0 | 70 | 425 | ND |
| BH22-20 | 0 | 3/9/2022 | 0 | 33 | 477 | ND |
| BH22-20 | 2 | 3/9/2022 | 0 | 39 | 477 | ND |

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NM OCD Closure Criteria (on-pad)

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Client Name: BTA Oil Producers, LLC Site Name: Nymeyer A#1 NM OCD Tracking #: nAPP2201957333 Project #: 22E-00196 Lab Report(sX): 2203F78, 2203G96, 2204031, 2204120, 2204285, 2204719, 2204719, 2204982

	Table 2. Confirmatory Sample Field Screen and						Laboratory Results - Depth to Groundwater <50 feet bgs						
S	ample Descrip	otion	Field Screening			Petroleum Hydrocarbons							
			ds			Vol	atile			Extractable	3		Inorganic
Sample ID	Depth (ft)	Sample Date	전 Volatile Organic Compounds ③ (PID)	면 Extractable Organic ③ Compounds (PetroFlag)	() () () () () () () () () () () () () (euszue Beuzeue (mg/kg)	(stal) (stex (Total) (b)	କ୍ଷି ସୁ Gasoline Range Organics ଅଧି (GRO)) B Diesel Range Organics (d) (DRO)	ଞ୍ଚୁ Motor Oil Range Organics ଅନୁ (MRO)	(GRO + DRO) (mg/kg)	ଞ୍ଚି Total Petroleum ଅନ୍ଧ୍ର Hydrocarbons (TPH)	(mg/gg) (sy/boride Concentration
BES22-01	8	3/29/2022	0	20	525	ND	ND	ND	ND	ND	ND	ND	200
BES22-02	8	3/29/2022	0	63	575	ND	ND	ND	ND	ND	ND	ND	180
BES22-03	2	3/30/2022	0	48	419	ND	ND	ND	ND	ND	ND	ND	580
BES22-04	2	3/30/2022	0	60	342	ND	ND	ND	ND	ND	ND	ND	440
BES22-05	2	3/31/2022	0	-	52	ND	ND	ND	ND	ND	ND	ND	150
BES22-06	2	4/4/2022	0	97	321	ND	ND	ND	11	ND	11	11	900
BES22-06	4	4/20/2022	0	37	388	ND	ND	ND	ND	ND	ND	ND	ND
BES22-07	2	4/4/2022	0	45	343	ND	ND	ND	12	ND	12	12	190
BES22-07	4	4/20/2022	0	45	302	ND	ND	ND	ND	ND	ND	ND	ND
BES22-08	2	4/4/2022	0	34	436	ND	ND	ND	140	96	140	136	270
BES22-08	4	4/20/2022	0	82	395	ND	ND	ND	ND	ND	ND	ND	ND
BES22-09	2	4/4/2022	0	29	390	ND	ND	ND	67	60	67	127	280
BES22-09	4	4/20/2022	0	23	438	ND	ND	ND	ND	ND	ND	ND	ND
BES22-10	8	4/14/2022	0	32	345	ND	ND	ND	ND	ND	ND	ND	ND
BES22-11	2	4/14/2022	0	59	481	ND	ND	ND	ND	ND	ND	ND	ND
BES22-12	2	4/14/2022	0	89	560	ND	ND	ND	ND	ND	ND	ND	ND
WES22-01	2	3/28/2022	0	46	500	ND	ND	ND	ND	ND	ND	ND	220
WES22-01	4	3/29/2022	0	28	456	ND	ND	ND	ND	ND	ND	ND	180
WES22-02	2	3/29/2022	0	85	368	ND	ND	ND	ND	ND	ND	ND	190
WES22-02	4	3/29/2022	0	-	472	ND	ND	ND	ND	ND	ND	ND	180
WES22-03	2	3/29/2022	0	39	380	ND	ND	ND	ND	ND	ND	ND	200
WES22-03	4	3/29/2022	0	71	477	ND	ND	ND	ND	ND	ND	ND	210
WES22-04	1	3/30/2022	0	21	430	ND	ND	ND	ND	ND	ND	ND	ND
WES22-05	1	3/31/2022	0	20	389	ND	ND	ND	ND	ND	ND	ND	ND
WES22-06	1	3/31/2022	0	22	362	ND	ND	ND	11	ND	11	11	ND
WES22-07	1	3/31/2022	0	-	399	ND	ND	ND	11	ND	11	11	190
WES22-14	3	4/14/2022	0	94	439	ND	ND	ND	ND	ND	ND	ND	63
WES22-14	6	4/14/2022	0	28	370	ND	ND	ND	ND	ND	ND	ND	ND
WES22-15	3	4/14/2022	0	19	352	ND	ND	ND	ND	ND	ND	ND	ND
WES22-15	6	4/14/2022	0	73	349	ND	ND	ND	ND	ND	ND	ND	ND
WES22-16	3	4/20/2022	0	27	372	ND	ND	ND	ND	ND	ND	ND	ND
WES22-16	6	4/20/2022	0	52	485	ND	ND	ND	ND	ND	ND	ND	ND
WES22-17	3	4/20/2022	0	56 39	521	ND	ND	ND	ND	ND	ND	ND	ND
WES22-17	6	4/20/2022	0		526	ND	ND	ND	ND	ND	ND	ND	ND
WES22-18	3	4/20/2022	0	11 19	464 405	ND ND	ND ND	ND	ND	ND ND	ND ND	ND	ND ND
WES22-18	6	4/20/2022	0				ND ND	ND	ND	ND ND	ND ND	ND ND	ND ND
WES22-19	2	4/20/2022	0	83 59	308 329	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
WES22-20	2	4/20/2022	0	59 68	329 457	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND
WES22-21	2	4/20/2022	U	00	437	שא	ND	IND	IND	עאו	עאו	טא	ND

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

Bold and grey shaded indicates exceedance outside of NM OCD Closure Criteria (on-pad)



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ATTACHMENT 7



February 23, 2022

Dennis Williams Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

RE: Nymeyer A1

OrderNo.: 2202636

Dear Dennis Williams:

Hall Environmental Analysis Laboratory received 22 sample(s) on 2/12/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Nymeyer A1

Project:

Lab ID:

Analyses

Surr: DNOP

Analytical Report Lab Order 2202636

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-01 0' Collection Date: 2/10/2022 7:30:00 AM 2202636-001 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** 2/17/2022 5:30:52 AM 12 9.8 mg/Kg 1 Motor Oil Range Organics (MRO) ND 2/17/2022 5:30:52 AM 49 mg/Kg 1 51.1-141 141 %Rec 1 2/17/2022 5:30:52 AM Analyst RAA EDA METHOD MAED, CACOLINE DANCE

EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/15/2022 3:06:00 PM
Surr: BFB	99.5	70-130	%Rec	1	2/15/2022 3:06:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	2/15/2022 3:06:00 PM
Toluene	ND	0.047	mg/Kg	1	2/15/2022 3:06:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/15/2022 3:06:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/15/2022 3:06:00 PM
Surr: 4-Bromofluorobenzene	86.3	70-130	%Rec	1	2/15/2022 3:06:00 PM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	9200	600	mg/Kg	200	2/20/2022 9:21:32 PM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-02 0' **Project:** Nymeyer A1 Collection Date: 2/10/2022 7:40:00 AM Lab ID: 2202636-002 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 8.0 mg/Kg 1 2/17/2022 5:41:25 AM Motor Oil Range Organics (MRO) ND 40 mg/Kg 1 2/17/2022 5:41:25 AM 51.1-141 Surr: DNOP 90.6 %Rec 1 2/17/2022 5:41:25 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 3:26:00 PM 5.0 mg/Kg 1 Surr: BFB 98.0 70-130 %Rec 1 2/15/2022 3:26:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 3:26:00 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 2/15/2022 3:26:00 PM Ethylbenzene ND 0.050 mg/Kg 1 2/15/2022 3:26:00 PM Xylenes, Total ND 0.099 mg/Kg 1 2/15/2022 3:26:00 PM 2/15/2022 3:26:00 PM Surr: 4-Bromofluorobenzene 85.8 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 400 60 2/18/2022 8:24:18 PM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit POL Practical Quanitative Limit

- S % Recovery outside of range due to dilution or matrix interference
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

Page 2 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-03 0' **Project:** Nymeyer A1 Collection Date: 2/10/2022 7:45:00 AM Lab ID: 2202636-003 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.1 mg/Kg 1 2/17/2022 5:52:02 AM Motor Oil Range Organics (MRO) ND 2/17/2022 5:52:02 AM 46 mg/Kg 1 51.1-141 Surr: DNOP 139 %Rec 1 2/17/2022 5:52:02 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 3:46:00 PM 4.9 mg/Kg 1 Surr: BFB 98.6 70-130 %Rec 1 2/15/2022 3:46:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 3:46:00 PM 0.024 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 2/15/2022 3:46:00 PM Ethylbenzene ND 0.049 mg/Kg 1 2/15/2022 3:46:00 PM Xylenes, Total ND 0.097 mg/Kg 1 2/15/2022 3:46:00 PM 2/15/2022 3:46:00 PM Surr: 4-Bromofluorobenzene 83.5 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 240 60 2/18/2022 8:36:43 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-03 2' **Project:** Nymeyer A1 Collection Date: 2/10/2022 7:50:00 AM Lab ID: 2202636-004 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.0 mg/Kg 1 2/17/2022 6:02:39 AM Motor Oil Range Organics (MRO) ND 45 mg/Kg 1 2/17/2022 6:02:39 AM Surr: DNOP 51.1-141 %Rec 1 2/17/2022 6:02:39 AM 111 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 5:04:00 PM 4.8 mg/Kg 1 Surr: BFB 95.0 70-130 %Rec 1 2/15/2022 5:04:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 5:04:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 2/15/2022 5:04:00 PM Ethylbenzene ND 0.048 mg/Kg 1 2/15/2022 5:04:00 PM Xylenes, Total ND 0.096 mg/Kg 1 2/15/2022 5:04:00 PM 2/15/2022 5:04:00 PM Surr: 4-Bromofluorobenzene 82.5 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 220 61 2/18/2022 8:49:08 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-04 0' **Project:** Nymeyer A1 Collection Date: 2/10/2022 7:55:00 AM Lab ID: 2202636-005 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 15 9.4 mg/Kg 1 2/17/2022 6:13:16 AM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 2/17/2022 6:13:16 AM 51.1-141 Surr: DNOP 111 %Rec 1 2/17/2022 6:13:16 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 5:24:00 PM 4.7 mg/Kg 1 Surr: BFB 97.1 70-130 %Rec 1 2/15/2022 5:24:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 5:24:00 PM 0.024 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 2/15/2022 5:24:00 PM Ethylbenzene ND 0.047 mg/Kg 1 2/15/2022 5:24:00 PM Xylenes, Total ND 0.094 mg/Kg 1 2/15/2022 5:24:00 PM 2/15/2022 5:24:00 PM Surr: 4-Bromofluorobenzene 83.1 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride ND 61 2/18/2022 9:01:33 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 29
Nymeyer A1

2202636-006

Project:

Lab ID:

Analytical Report Lab Order 2202636

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-04 2' Collection Date: 2/10/2022 8:00:00 AM Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/16/2022 7:48:05 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/16/2022 7:48:05 PM
Surr: DNOP	61.2	51.1-141	%Rec	1	2/16/2022 7:48:05 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/15/2022 5:44:00 PM
Surr: BFB	98.2	70-130	%Rec	1	2/15/2022 5:44:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	2/15/2022 5:44:00 PM
Toluene	ND	0.048	mg/Kg	1	2/15/2022 5:44:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/15/2022 5:44:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/15/2022 5:44:00 PM
Surr: 4-Bromofluorobenzene	85.1	70-130	%Rec	1	2/15/2022 5:44:00 PM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	80	60	mg/Kg	20	2/18/2022 9:13:57 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-05 0' **Project:** Nymeyer A1 Collection Date: 2/10/2022 8:05:00 AM Lab ID: 2202636-007 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 2/16/2022 7:58:45 PM 230 9.6 mg/Kg 1 Motor Oil Range Organics (MRO) 140 48 mg/Kg 1 2/16/2022 7:58:45 PM 51.1-141 Surr: DNOP 110 %Rec 1 2/16/2022 7:58:45 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 6:04:00 PM 4.8 mg/Kg 1 Surr: BFB 103 70-130 %Rec 1 2/15/2022 6:04:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 6:04:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 2/15/2022 6:04:00 PM Ethylbenzene ND 0.048 mg/Kg 1 2/15/2022 6:04:00 PM Xylenes, Total ND 0.096 mg/Kg 1 2/15/2022 6:04:00 PM 2/15/2022 6:04:00 PM Surr: 4-Bromofluorobenzene 86.1 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 220 60 2/18/2022 9:26:22 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 29

Project:

Lab ID:

CLIENT: Vertex Resources Services, Inc.

Nymeyer A1

2202636-008

Analytical Report Lab Order 2202636

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH22-06 0' Collection Date: 2/10/2022 8:15:00 AM Received Date: 2/12/2022 8:55:00 AM

				_,, _	
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/16/2022 8:09:24 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/16/2022 8:09:24 PM
Surr: DNOP	96.4	51.1-141	%Rec	1	2/16/2022 8:09:24 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/15/2022 6:24:00 PM
Surr: BFB	101	70-130	%Rec	1	2/15/2022 6:24:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	2/15/2022 6:24:00 PM
Toluene	ND	0.049	mg/Kg	1	2/15/2022 6:24:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/15/2022 6:24:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/15/2022 6:24:00 PM
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	2/15/2022 6:24:00 PM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	170	60	mg/Kg	20	2/18/2022 9:38:47 PM

Matrix: SOIL

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-06 1' **Project:** Nymeyer A1 Collection Date: 2/10/2022 8:20:00 AM Lab ID: 2202636-009 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 2/16/2022 8:20:02 PM ND 9.2 mg/Kg 1 Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 2/16/2022 8:20:02 PM Surr: DNOP 68.8 51.1-141 %Rec 1 2/16/2022 8:20:02 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 6:43:00 PM 4.9 mg/Kg 1 Surr: BFB 102 70-130 %Rec 1 2/15/2022 6:43:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 6:43:00 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 2/15/2022 6:43:00 PM Ethylbenzene ND 0.049 mg/Kg 1 2/15/2022 6:43:00 PM Xylenes, Total ND 0.099 mg/Kg 1 2/15/2022 6:43:00 PM 2/15/2022 6:43:00 PM Surr: 4-Bromofluorobenzene 86.8 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 1000 60 2/18/2022 9:51:12 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 29

CLIENT: Vertex Resources Services, Inc.

Analytical Report Lab Order 2202636

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/23/2022
Client Sample ID: BH22-07 0'

Project: Nymeyer A1		C	ollectio	on Date:	2/10/2	022 8:25:00 AM
Lab ID: 2202636-010	Matrix: SOIL	ŀ	Receiv	ed Date:	2/12/2	022 8:55:00 AM
Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGI	E ORGANICS					Analyst: SB
Diesel Range Organics (DRO)	11000	180		mg/Kg	20	2/16/2022 8:30:39 PM
Motor Oil Range Organics (MRO)	4100	910		mg/Kg	20	2/16/2022 8:30:39 PM
Surr: DNOP	0	51.1-141	S	%Rec	20	2/16/2022 8:30:39 PM
EPA METHOD 8015D: GASOLINE RANG	θE					Analyst: RAA
Gasoline Range Organics (GRO)	1000	97		mg/Kg	20	2/15/2022 11:28:00 AM
Surr: BFB	293	70-130	S	%Rec	20	2/15/2022 11:28:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	ND	0.48		mg/Kg	20	2/15/2022 11:28:00 AM
Toluene	9.2	0.97		mg/Kg	20	2/15/2022 11:28:00 AM
Ethylbenzene	9.5	0.97		mg/Kg	20	2/15/2022 11:28:00 AM
Xylenes, Total	44	1.9		mg/Kg	20	2/15/2022 11:28:00 AM
Surr: 4-Bromofluorobenzene	158	70-130	S	%Rec	20	2/15/2022 11:28:00 AM
EPA METHOD 300.0: ANIONS						Analyst: LRN
Chloride	970	60		mg/Kg	20	2/18/2022 10:28:26 PM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 29

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Project: Nymeyer A1

Lab ID:

CLIENT: Vertex Resources Services, Inc.

2202636-011

Analytical Report Lab Order 2202636

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/23/2022 Client Sample ID: BH22-08 0' Collection Date: 2/10/2022 8:35:00 AM

Received Date: 2/12/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst: SB
Diesel Range Organics (DRO)	9000	100		mg/Kg	10	2/16/2022 8:41:14 PM
Motor Oil Range Organics (MRO)	3200	500		mg/Kg	10	2/16/2022 8:41:14 PM
Surr: DNOP	0	51.1-141	S	%Rec	10	2/16/2022 8:41:14 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	1200	24		mg/Kg	5	2/15/2022 11:48:00 AM
Surr: BFB	648	70-130	S	%Rec	5	2/15/2022 11:48:00 AM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	0.89	0.12		mg/Kg	5	2/15/2022 11:48:00 AM
Toluene	18	0.24		mg/Kg	5	2/15/2022 11:48:00 AM
Ethylbenzene	16	0.24		mg/Kg	5	2/15/2022 11:48:00 AM
Xylenes, Total	40	0.49		mg/Kg	5	2/15/2022 11:48:00 AM
Surr: 4-Bromofluorobenzene	225	70-130	S	%Rec	5	2/15/2022 11:48:00 AM
EPA METHOD 300.0: ANIONS						Analyst: LRN
Chloride	1200	60		mg/Kg	20	2/18/2022 10:40:51 PM

Matrix: SOIL

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 29

Project:

Lab ID:

CLIENT: Vertex Resources Services, Inc.

Nymeyer A1

2202636-012

Analytical Report Lab Order 2202636

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/23/2022 Client Sample ID: BH22-09 0' Collection Date: 2/10/2022 8:45:00 AM

Received Date: 2/12/2022 8:55:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	BANICS					Analyst: SB
Diesel Range Organics (DRO)	9400	100		mg/Kg	10	2/16/2022 8:51:50 PM
Motor Oil Range Organics (MRO)	3200	500		mg/Kg	10	2/16/2022 8:51:50 PM
Surr: DNOP	0	51.1-141	S	%Rec	10	2/16/2022 8:51:50 PM
EPA METHOD 8015D: GASOLINE RANGE						Analyst: RAA
Gasoline Range Organics (GRO)	1000	24		mg/Kg	5	2/15/2022 12:08:00 PM
Surr: BFB	564	70-130	S	%Rec	5	2/15/2022 12:08:00 PM
EPA METHOD 8021B: VOLATILES						Analyst: RAA
Benzene	0.36	0.12		mg/Kg	5	2/15/2022 12:08:00 PM
Toluene	14	0.24		mg/Kg	5	2/15/2022 12:08:00 PM
Ethylbenzene	13	0.24		mg/Kg	5	2/15/2022 12:08:00 PM
Xylenes, Total	54	0.49		mg/Kg	5	2/15/2022 12:08:00 PM
Surr: 4-Bromofluorobenzene	209	70-130	S	%Rec	5	2/15/2022 12:08:00 PM
EPA METHOD 300.0: ANIONS						Analyst: LRN
Chloride	11000	600		mg/Kg	200	2/20/2022 9:58:48 PM

Matrix: SOIL

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 12 of 29

EPA METHOD 300.0: ANIONS

Chloride

Analytical Report Lab Order 2202636

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-10 0' **Project:** Nymeyer A1 Collection Date: 2/10/2022 8:55:00 AM Lab ID: 2202636-013 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 14 10 mg/Kg 1 2/18/2022 7:02:17 AM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 2/18/2022 7:02:17 AM 51.1-141 Surr: DNOP 66.1 %Rec 1 2/18/2022 7:02:17 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 7:03:00 PM 4.8 mg/Kg 1 Surr: BFB 98.1 70-130 %Rec 1 2/15/2022 7:03:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 7:03:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 2/15/2022 7:03:00 PM Ethylbenzene ND 0.048 mg/Kg 1 2/15/2022 7:03:00 PM Xylenes, Total ND 0.097 mg/Kg 1 2/15/2022 7:03:00 PM 2/15/2022 7:03:00 PM Surr: 4-Bromofluorobenzene 85.7 70-130 %Rec 1

3700

150

ma/Ka

50

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 13 of 29

Analyst: LRN

2/20/2022 10:11:13 PM

Project:

Lab ID:

CLIENT: Vertex Resources Services, Inc.

Nymeyer A1

2202636-014

Analytical Report
Lab Order 2202636

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: BH22-11 0'

 Collection Date: 2/10/2022 9:05:00 AM

 Matrix: SOIL
 Received Date: 2/12/2022 8:55:00 AM

 Result
 PQL
 Qual
 Units
 DF
 Date
 Analyzed

 DRGANICS
 Analyst:
 SB

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB
Diesel Range Organics (DRO)	100	8.1	mg/Kg	1	2/18/2022 7:08:37 PM
Motor Oil Range Organics (MRO)	75	40	mg/Kg	1	2/18/2022 7:08:37 PM
Surr: DNOP	117	51.1-141	%Rec	1	2/18/2022 7:08:37 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/15/2022 7:23:00 PM
Surr: BFB	95.8	70-130	%Rec	1	2/15/2022 7:23:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	2/15/2022 7:23:00 PM
Toluene	ND	0.050	mg/Kg	1	2/15/2022 7:23:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/15/2022 7:23:00 PM
Xylenes, Total	ND	0.10	mg/Kg	1	2/15/2022 7:23:00 PM
Surr: 4-Bromofluorobenzene	81.4	70-130	%Rec	1	2/15/2022 7:23:00 PM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	67	59	mg/Kg	20	2/18/2022 11:18:06 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 14 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BG22-01 0' **Project:** Nymeyer A1 Collection Date: 2/10/2022 2:00:00 PM Lab ID: 2202636-015 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.9 mg/Kg 1 2/16/2022 9:23:35 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 2/16/2022 9:23:35 PM 51.1-141 Surr: DNOP %Rec 1 2/16/2022 9:23:35 PM 112 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 7:43:00 PM 4.8 mg/Kg 1 Surr: BFB 96.5 70-130 %Rec 1 2/15/2022 7:43:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 7:43:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 2/15/2022 7:43:00 PM Ethylbenzene ND 0.048 mg/Kg 1 2/15/2022 7:43:00 PM Xylenes, Total ND 0.096 mg/Kg 1 2/15/2022 7:43:00 PM 2/15/2022 7:43:00 PM Surr: 4-Bromofluorobenzene 81.0 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride ND 60 2/18/2022 11:30:30 PM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- POL
- Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

Page 15 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BG22-01 1' **Project:** Nymeyer A1 Collection Date: 2/10/2022 2:05:00 PM Lab ID: 2202636-016 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 2/16/2022 9:34:10 PM ND 10 mg/Kg 1 Motor Oil Range Organics (MRO) ND 2/16/2022 9:34:10 PM 50 mg/Kg 1 51.1-141 Surr: DNOP 64.3 %Rec 1 2/16/2022 9:34:10 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 8:02:00 PM 4.9 mg/Kg 1 Surr: BFB 94.7 70-130 %Rec 1 2/15/2022 8:02:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 8:02:00 PM 0.024 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 2/15/2022 8:02:00 PM Ethylbenzene ND 0.049 mg/Kg 1 2/15/2022 8:02:00 PM Xylenes, Total ND 0.098 mg/Kg 1 2/15/2022 8:02:00 PM 2/15/2022 8:02:00 PM Surr: 4-Bromofluorobenzene 81.9 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride ND 60 2/18/2022 11:42:54 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 16 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-12 0' **Project:** Nymeyer A1 Collection Date: 2/10/2022 2:45:00 PM Lab ID: 2202636-017 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 2/18/2022 2:18:46 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 2/18/2022 2:18:46 AM Surr: DNOP 82.2 51.1-141 %Rec 1 2/18/2022 2:18:46 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 10:21:00 PM 5.0 mg/Kg 1 Surr: BFB 97.7 70-130 %Rec 1 2/15/2022 10:21:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 10:21:00 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 2/15/2022 10:21:00 PM Ethylbenzene ND 0.050 mg/Kg 1 2/15/2022 10:21:00 PM Xylenes, Total ND 0.099 mg/Kg 1 2/15/2022 10:21:00 PM 2/15/2022 10:21:00 PM Surr: 4-Bromofluorobenzene 86.8 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 1200 59 2/18/2022 11:55:19 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 17 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-12 1' **Project:** Nymeyer A1 Collection Date: 2/10/2022 2:50:00 PM Lab ID: 2202636-018 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 2/18/2022 2:29:14 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 2/18/2022 2:29:14 AM 51.1-141 Surr: DNOP 80.4 %Rec 1 2/18/2022 2:29:14 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/15/2022 11:20:00 PM 5.0 mg/Kg 1 Surr: BFB 99.8 70-130 %Rec 1 2/15/2022 11:20:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/15/2022 11:20:00 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 2/15/2022 11:20:00 PM Ethylbenzene ND 0.050 mg/Kg 1 2/15/2022 11:20:00 PM Xylenes, Total ND 0.10 mg/Kg 1 2/15/2022 11:20:00 PM 2/15/2022 11:20:00 PM Surr: 4-Bromofluorobenzene 85.2 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 1500 61 2/19/2022 12:07:43 AM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 18 of 29

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-13 0' **Project:** Nymeyer A1 Collection Date: 2/10/2022 2:55:00 PM Lab ID: 2202636-019 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.9 mg/Kg 1 2/18/2022 2:39:41 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 2/18/2022 2:39:41 AM Surr: DNOP 86.6 51.1-141 %Rec 1 2/18/2022 2:39:41 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/16/2022 12:19:00 AM 4.6 mg/Kg 1 Surr: BFB 99.2 70-130 %Rec 1 2/16/2022 12:19:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/16/2022 12:19:00 AM 0.023 mg/Kg 1 Toluene ND 0.046 mg/Kg 1 2/16/2022 12:19:00 AM Ethylbenzene ND 0.046 mg/Kg 1 2/16/2022 12:19:00 AM Xylenes, Total ND 0.093 mg/Kg 1 2/16/2022 12:19:00 AM Surr: 4-Bromofluorobenzene 85.5 70-130 %Rec 1 2/16/2022 12:19:00 AM **EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride 1500 60 2/18/2022 9:40:25 PM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н

- Holding times for preparation or analysis exceeded ND
- Not Detected at the Reporting Limit POL Practical Quanitative Limit
- S

% Recovery outside of range due to dilution or matrix interference

- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

Page 19 of 29

EPA METHOD 300.0: ANIONS

Chloride

Analytical Report Lab Order 2202636

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-13 1' **Project:** Nymeyer A1 Collection Date: 2/10/2022 3:00:00 PM Lab ID: 2202636-020 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 2/18/2022 2:50:06 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 2/18/2022 2:50:06 AM Surr: DNOP 87.3 51.1-141 %Rec 1 2/18/2022 2:50:06 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/16/2022 12:39:00 AM 4.6 mg/Kg 1 Surr: BFB 102 70-130 %Rec 1 2/16/2022 12:39:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/16/2022 12:39:00 AM 0.023 mg/Kg 1 Toluene ND 0.046 mg/Kg 1 2/16/2022 12:39:00 AM Ethylbenzene ND 0.046 mg/Kg 1 2/16/2022 12:39:00 AM Xylenes, Total ND 0.092 mg/Kg 1 2/16/2022 12:39:00 AM Surr: 4-Bromofluorobenzene 87.0 70-130 %Rec 1 2/16/2022 12:39:00 AM

1800

60

ma/Ka

20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 20 of 29

Analyst: MRA

2/18/2022 10:17:27 PM

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-14 0' **Project:** Nymeyer A1 Collection Date: 2/10/2022 3:05:00 PM Lab ID: 2202636-021 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 2/18/2022 3:00:29 AM ND 9.3 mg/Kg 1 Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 2/18/2022 3:00:29 AM 51.1-141 Surr: DNOP 76.3 %Rec 1 2/18/2022 3:00:29 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/16/2022 12:59:00 AM 4.7 mg/Kg 1 Surr: BFB 102 70-130 %Rec 1 2/16/2022 12:59:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/16/2022 12:59:00 AM 0.024 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 2/16/2022 12:59:00 AM Ethylbenzene ND 0.047 mg/Kg 1 2/16/2022 12:59:00 AM Xylenes, Total ND 0.095 mg/Kg 1 2/16/2022 12:59:00 AM Surr: 4-Bromofluorobenzene 88.5 70-130 %Rec 1 2/16/2022 12:59:00 AM **EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride 1600 60 2/18/2022 10:29:48 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 21 of 29

Surr: 4-Bromofluorobenzene

Chloride

Analytical Report Lab Order 2202636

Date Reported: 2/23/2022

2/16/2022 1:19:00 AM

Analyst: MRA

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-14 1' **Project:** Nymeyer A1 Collection Date: 2/10/2022 3:10:00 PM Lab ID: 2202636-022 Matrix: SOIL Received Date: 2/12/2022 8:55:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.9 mg/Kg 1 2/18/2022 3:10:50 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 2/18/2022 3:10:50 AM 51.1-141 Surr: DNOP 76.9 %Rec 1 2/18/2022 3:10:50 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/16/2022 1:19:00 AM 4.9 mg/Kg 1 Surr: BFB 100 70-130 %Rec 1 2/16/2022 1:19:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/16/2022 1:19:00 AM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 2/16/2022 1:19:00 AM Ethylbenzene ND 0.049 mg/Kg 1 2/16/2022 1:19:00 AM Xylenes, Total ND 0.099 mg/Kg 1 2/16/2022 1:19:00 AM

EPA METHOD 300.0: ANIONS 1300 60 2/18/2022 10:42:09 PM ma/Ka 20

70-130

%Rec

1

86.7

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

Qualifiers:

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- POL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

Page 22 of 29

Client:	Vertex R	esources S	ervices	, Inc.							
Project:	Nymeyer	A1									
Sample ID: M	IB-65653	SampT	ype: m ł	olk	Tes	tCode: El	PA Method	300.0: Anions	5		
Client ID: PI	BS	Batcl	h ID: 65	653	F	lunNo: 8	5950				
Prep Date: 2	2/18/2022	Analysis D	Date: 2/	18/2022	S	eqNo: 3	027322	Units: mg/K	g		
Analyte Chloride		Result ND	PQL 1.5	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Sample ID: LO	CS-65653	SampT	ype: Ics	5	Tes	tCode: El	PA Method	300.0: Anions	6		
Client ID: LO	CSS	Batcl	h ID: 65	653	F	lunNo: 8	5950				
Prep Date: 2	2/18/2022	Analysis D	Date: 2/	18/2022	S	eqNo: 3	027323	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	90.6	90	110			
Sample ID: M	IB-65654	SampT	ype: ml	olk	Tes	tCode: El	PA Method	300.0: Anion:	5		
Client ID: PI	BS	Batcl	h ID: 65	654	F	unNo: 8	5952				
Prep Date: 2	2/18/2022	Analysis E	Date: 2/	18/2022	5	eqNo: 3	027713	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	30								
Sample ID: LO	CS-65654	SampT	ype: Ics	5	Tes	tCode: El	PA Method	300.0: Anions	5		
Client ID: LO	css	Batcl	h ID: 65	654	F	lunNo: 8	5952				
Prep Date: 2	2/18/2022	Analysis D	Date: 2/	18/2022	S	eqNo: 3	027714	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	90.5	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 23 of 29

2202636

23-Feb-22

Client: Vertex H Project: Nymeye	Resources Serv r A1	vices, Inc.							
Sample ID: 2202636-006AMS	SampTyp	e: MS	Т	estCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: BH22-04 2'	Batch ID	D: 65557		RunNo: 8	5892				
Prep Date: 2/15/2022	Analysis Date	e: 2/16/2022	2	SeqNo: 3	024681	Units: mg/H	٢g		
Analyte	Result F	PQL SPK v	alue SPK Ref Va	al %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46		9.95 7.328	77.4	39.3	155			
Surr: DNOP	3.9	4	.995	78.7	51.1	141			
Sample ID: 2202636-006AMS	SD SampTyp	e: MSD	Т	estCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: BH22-04 2'	Batch ID	D: 65557		RunNo: 8	5892				
Prep Date: 2/15/2022	Analysis Date	e: 2/16/2022	2	SeqNo: 3	024682	Units: mg/H	٤g		
Analyte	Result F	PQL SPK v	alue SPK Ref Va	al %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46		5.33 7.328	84.8	39.3	155	0.556	23.4	
Surr: DNOP	3.9	4	.533	85.5	51.1	141	0	0	
Sample ID: LCS-65550	SampTyp	e: LCS	Т	estCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch ID	D: 65550		RunNo: 8	5892				
Prep Date: 2/15/2022	Analysis Date	e: 2/16/2022	2	SeqNo: 3	024741	Units: mg/ #	۲g		
Analyte	Result F	PQL SPK v	alue SPK Ref Va	al %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62		0.00 0	123	68.9	135			
Surr: DNOP	6.1	5	.000	122	51.1	141			
Sample ID: LCS-65557	SampTyp	e: LCS	Т	estCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch ID	D: 65557		RunNo: 8	5892				
Prep Date: 2/15/2022	Analysis Date	e: 2/16/2022	2	SeqNo: 3	024742	Units: mg/H	٤g		
Analyte	Result F	PQL SPK v	alue SPK Ref Va	al %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10 5	0.00 0	87.9	68.9	135			
Surr: DNOP	4.1	5	.000	82.2	51.1	141			
Sample ID: MB-65550	SampTyp	e: MBLK	T	estCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch ID	D: 65550		RunNo: 8	5892				
Prep Date: 2/15/2022	Analysis Date	e: 2/16/2022	2	SeqNo: 3	024746	Units: mg/k	٤g		
Analyte	Result F	PQL SPK v	alue SPK Ref Va	al %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10							
Motor Oil Range Organics (MRO)	ND	50							
Surr: DNOP	13	1	0.00	129	51.1	141			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

Page 24 of 29

2202636

23-Feb-22

Client: Project:	Vertex Reso Nymeyer A		ervices	, Inc.							
Sample ID: MB-	65557	SampTy	/pe: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS		Batch	ID: 65	557	F	RunNo: 8	5892				
Prep Date: 2/1	5/2022 A	nalysis Da	ate: 2/	16/2022	S	SeqNo: 3	024747	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organio		ND	10								
Motor Oil Range Orga	anics (MRO)	ND	50								
Surr: DNOP		9.4		10.00		94.0	51.1	141			
Sample ID: 2202	636-017AMS	SampTy	/pe: M \$	6	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	organics	
Client ID: BH2	2-12 0'	Batch	ID: 65	570	F	RunNo: 8	5916				
Prep Date: 2/1	6/2022 A	nalysis Da	ate: 2/	18/2022	S	SeqNo: 3	025423	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organio	cs (DRO)	50	9.7	48.69	5.008	92.0	39.3	155			
Surr: DNOP		3.8		4.869		77.6	51.1	141			
Sample ID: 2202	636-017AMSD	SampTy	/pe: M \$	SD	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: BH2	2-12 0'	Batch	ID: 65	570	F	RunNo: 8	5916			J	
Prep Date: 2/1	6/2022 A	nalysis Da	ate: 2/	18/2022	5	SeqNo: 3	025424	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organio	cs (DRO)	45	9.9	49.55	5.008	81.3	39.3	155	9.41	23.4	
Surr: DNOP		3.9		4.955		77.8	51.1	141	0	0	
Sample ID: LCS	-65570	SampTy	/pe: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	• Organics	
Client ID: LCS	s	Batch	ID: 65	570	F	RunNo: 8	5016				
							5510				
Prep Date: 2/1	6/2022 A	nalysis Da	ate: 2/	17/2022	S	SeqNo: 3		Units: mg/K	g		
Prep Date: 2/1 Analyte		nalysis Da Result	ate: 2/ PQL		SPK Ref Val			Units: mg/K HighLimit	g %RPD	RPDLimit	Qual
							025512	•	•	RPDLimit	Qual
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	D25512 LowLimit	HighLimit	•	RPDLimit	Qual
Analyte Diesel Range Organio	cs (DRO)	Result 57	PQL 10	SPK value 50.00 5.000	SPK Ref Val 0	%REC 114 82.1	025512 LowLimit 68.9 51.1	HighLimit 135	%RPD		Qual
Analyte Diesel Range Organic Surr: DNOP	cs (DRO) 65570	Result 57 4.1 SampTy	PQL 10	SPK value 50.00 5.000	SPK Ref Val 0 Tes	%REC 114 82.1	D25512 LowLimit 68.9 51.1 PA Method	HighLimit 135 141	%RPD		Qual
Analyte Diesel Range Organic Surr: DNOP Sample ID: MB-(55570	Result 57 4.1 SampTy	PQL 10 /pe: ME ID: 65	SPK value 50.00 5.000 BLK 570	SPK Ref Val 0 Tes F	%REC 114 82.1 tCode: EF	D25512 LowLimit 68.9 51.1 PA Method 5916	HighLimit 135 141	%RPD		Qual
Analyte Diesel Range Organio Surr: DNOP Sample ID: MB-6 Client ID: PBS	es (DRO) 655570 6/2022 A	Result 57 4.1 SampTy Batch	PQL 10 /pe: ME ID: 65	SPK value 50.00 5.000 3LK 570 17/2022	SPK Ref Val 0 Tes F	%REC 114 82.1 tCode: EF RunNo: 89 SeqNo: 30	D25512 LowLimit 68.9 51.1 PA Method 5916 D25517	HighLimit 135 141 8015M/D: Die	%RPD		Qual
Analyte Diesel Range Organic Surr: DNOP Sample ID: MB-C Client ID: PBS Prep Date: 2/10	es (DRO) 655570 6/2022 A	Result 57 4.1 SampTy Batch	PQL 10 /pe: ME ID: 65 ate: 2/	SPK value 50.00 5.000 3LK 570 17/2022	SPK Ref Val 0 Tes 5	%REC 114 82.1 tCode: EF RunNo: 89 SeqNo: 30	D25512 LowLimit 68.9 51.1 PA Method 5916 D25517	HighLimit 135 141 8015M/D: Die Units: mg/K	%RPD	• Organics	
Analyte Diesel Range Organic Surr: DNOP Sample ID: MB-(Client ID: PBS Prep Date: 2/10 Analyte	55570 6/2022 A	Result 57 4.1 SampTy Batch analysis Da Result	PQL 10 /pe: ME ID: 65: ate: 2/ PQL	SPK value 50.00 5.000 3LK 570 17/2022	SPK Ref Val 0 Tes 5	%REC 114 82.1 tCode: EF RunNo: 89 SeqNo: 30	D25512 LowLimit 68.9 51.1 PA Method 5916 D25517	HighLimit 135 141 8015M/D: Die Units: mg/K	%RPD	• Organics	

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 25 of 29

2202636

23-Feb-22

Client: Vertex Re Project: Nymeyer	esources Services, A1	Inc.							
Sample ID: Ics-65537	SampType: LC	S	Test	tCode: EP	PA Method	8015D: Gaso	line Rang	9	
Client ID: LCSS	Batch ID: 65	537	R	RunNo: 85	5851				
Prep Date: 2/14/2022	Analysis Date: 2/	15/2022	S	SeqNo: 30	23024	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24 5.0	25.00	0	96.9	78.6	131			
Surr: BFB	1100	1000		113	70	130			
Sample ID: mb-65537	SampType: ME	BLK	Test	tCode: EP	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch ID: 65	537	R	RunNo: 85	5851				
Prep Date: 2/14/2022	Analysis Date: 2/	15/2022	S	SeqNo: 30	23025	Units: mg/K	g		
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		99.5	70	130			
Sample ID: Ics-65538	SampType: LC	S	Tes	tCode: EF	A Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 65	538	R	RunNo: 85	5851				
Prep Date: 2/14/2022	Analysis Date: 2/	15/2022	S	SeqNo: 30	23048	Units: mg/K	g		
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	78.6	131			
Surr: BFB	1100	1000		110	70	130			
Sample ID: mb-65538	SampType: ME	BLK	Tes	tCode: EP	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 65	538	R	RunNo: 85	5851				
Prep Date: 2/14/2022	Analysis Date: 2/	15/2022	S	SeqNo: 30	23049	Units: mg/K	g		
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	70	130			
Sample ID: 2202636-017ams	SampType: MS	;	Tes	tCode: EP	PA Method	8015D: Gaso	line Range	9	
Client ID: BH22-12 0'	Batch ID: 65	538	R	RunNo: 85	5851				
Prep Date: 2/14/2022	Analysis Date: 2/	15/2022	S	SeqNo: 30	23051	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29 5.0	24.90	0	118	70	130			
Surr: BFB	1200	996.0		118	70	130			
Sample ID: 2202636-017amsd	SampType: MS	D	Tes	tCode: EF	A Method	8015D: Gasc	line Rang	е	
Client ID: BH22-12 0'	Batch ID: 65	538	R	RunNo: 85	5851				
Prep Date: 2/14/2022	Analysis Date: 2/	15/2022	S	SeqNo: 30	23052	Units: mg/K	g		
1									

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в

Е Estimated value

J Analyte detected below quantitation limits Р

Sample pH Not In Range RL Reporting Limit

Page 26 of 29

Page 129 of 271

WO#: 2202636 23-Feb-22

2202636 23-Feb-22

WO#:

QC SUMMARY REPORT	
Hall Environmental Analysis Laboratory, Inc.	

	ertex Resource ymeyer A1	es Services	, Inc.							
Sample ID: 2202636-)17amsd Sa	mpType: M	SD	Tes	tCode: EF	PA Method	8015D: Gasc	oline Rang	e	
Client ID: BH22-12)' E	Batch ID: 65	538	F	RunNo: 8	5851				
Prep Date: 2/14/202	2 Analys	sis Date: 2	/15/2022	S	SeqNo: 30	023052	Units: mg/k	٢g		
Analyte	Resu	ılt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) 2	.8 5.0	24.95	0	114	70	130	3.67	20	
Surr: BFB	110	0	998.0		112	70	130	0	0	

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- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 27 of 29

Client:Vertex IProject:Nymeye	Resources S er A1	ervices,	Inc.							
Sample ID: Ics-65537	SampT	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 65	537	F	RunNo: 8	5851				
Prep Date: 2/14/2022	Analysis E	Date: 2/	15/2022	S	SeqNo: 3	023077	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.0	80	120			
Toluene	0.89	0.050	1.000	0	89.2	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.3	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.4	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.0	70	130			
Sample ID: mb-65537	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 65	537	F	RunNo: 8	5851				
Prep Date: 2/14/2022	Analysis E	Date: 2/	15/2022	S	SeqNo: 3	023078	Units: mg/K	(g		
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		86.2	70	130			
Sample ID: Ics-65538	SampT	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	h ID: 65	538	F	RunNo: 8	5851				
Prep Date: 2/14/2022	Analysis E	Date: 2/	15/2022	S	SeqNo: 3	023101	Units: mg/K	íg		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.1	80	120			
Toluene	0.93	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.4	80	120			
Surr: 4-Bromofluorobenzene	0.84		1.000		83.9	70	130			
Sample ID: mb-65538	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 65	538	F	RunNo: 8	5851				
Prep Date: 2/14/2022	Analysis E	Date: 2/	15/2022	S	SeqNo: 3	023102	Units: mg/K	(g		
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	0.80		1.000		80.1	70	130			

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- B Analyte detected in the associated Method Blank
- E Estimated value
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2202636

23-Feb-22

Client: Project:	Vertex Res Nymeyer A		ervices,	, Inc.							
Sample ID: 220263	6-018ams	SampT	ype: MS	3	Tes	tCode: EF	PA Method	8021B: Vola	tiles		
Client ID: BH22-1	2 1'	Batch	D: 65	538	F	RunNo: 8	5851				
Prep Date: 2/14/2	022 A	Analysis D	ate: 2/	15/2022	S	SeqNo: 30	023105	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.025	0.9980	0	106	80	120			
Toluene		1.1	0.050	0.9980	0	109	80	120			
Ethylbenzene		1.1	0.050	0.9980	0	111	80	120			
Xylenes, Total		3.3	0.10	2.994	0	111	80	120			
Surr: 4-Bromofluorober	izene	0.87		0.9980		87.2	70	130			
Sample ID: 220263	636-018amsd SampType: MSD			Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: BH22-1	2 1'	Batch	D: 65	538	F	RunNo: 8	5851				
Prep Date: 2/14/2	022 A	Analysis D	ate: 2/	16/2022	5	SeqNo: 3	023106	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		1.1	0.025	0.9970	0	107	80	120	0.213	20	
Toluene		1.1	0.050	0.9970	0	109	80	120	0.290	20	
Ethylbenzene		1.1	0.050	0.9970	0	110	80	120	0.522	20	
Xylenes, Total		3.3	0.10	2.991	0	110	80	120	1.29	20	
Surr: 4-Bromofluorober	zene	0.88		0.9970		87.9	70	130	0	0	

Qualifiers:

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Page 29 of 29

2202636

23-Feb-22

ENVIRONMENTAL ANALYSIS LABORATORY			TEL	' Environme : 505-345-3 bsite: client	4 Albuque 8975 FAS	901 Haw rque, N V: 505-3	kins NE M 87109 45-4107	Sa	mple Log-In Cł	Page 133 neck List
Client Name:	Vertex Re Services,		Work (Order Num	ber: 22	02636			RcptNo:	1
Received By:	Isaiah O	ortiz	2/11/202	2			8	- 2	2.2	
Completed By	Isaiah O	rtiz	2/12/202	2 9:22:20	AM				- A	
Reviewed By:	@ 02/1	2/2012					9			
Chain of Cu	stody									
1. Is Chain of	Custody com	plete?			Yes	s 🗸	N	•	Not Present	
2. How was th	e sample del	ivered?			Co	urier				
Log In										
3. Was an atte	mpt made to	cool the sam	ples?		Yes		No			
4. Were all san	nples receive	d at a temper	ature of >0° C to	6.0°C	Yes		No			
5. Sample(s) ir	proper conta	ainer(s)?			Yes		No			
6. Sufficient sar	mple volume	for indicated	test(s)?		Yes	V	No			
7. Are samples	(except VOA	and ONG) p	roperly preserved	?	Yes					
8. Was preserv	ative added t	o bottles?			Yes			•	NA 🗌	
9. Received at I	east 1 vial wi	th headspace	<1/4" for AQ VO.	A7	Yes		No		NA 🔽	
10. Were any sa				÷	Yes	-				67_
					103		140		# of preserved	2/12/2
11. Does paperw					Yes	~	No		bottles checked for pH:	clicle
(Note discrep 12, Are matrices					44	-				2 unless noted)
13. Is it clear what							No		Adjusted?	
14. Were all hold					Yes Yes		No No		Checked by:	
(If no, notify c	ustomer for a	authorization.))		163		140		Offected by.	
Special Hand	ling (if app	olicable)								
15. Was client no	otified of all d	iscrepancies	with this order?		Yes		No		NA 🔽	
Person	Notified:			Date:		_				
By Who				Via:	eMa	ail 🗌	Phone	Fax	In Person	
Regard	14									
	nstructions									
16. Additional re	marks:									
17. <u>Cooler Infor</u> Cooler No 1 2		Condition Good Good	Seal Intact S Not Present Not Present	eal No	Seal Da	ate	Signed I	Зу		

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$\chi \mathcal{L} \wedge \mathcal{L} \mathcal{L}$ $\chi \mathcal{L} \mathcal{L} \mathcal{L}$ $\chi \mathcal{L} \mathcal{L} \mathcal{L}$ $\chi \mathcal{L} \mathcal{L} \mathcal{L}$ J Address: \mathcal{O}_{D} $\mathcal{L} \cdot \mathcal{L}$ Project Name: \mathcal{L} $\mathcal{L} \mathcal{L} \mathcal{L}$ $\mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L}$ \mathcal{L} $\mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L}$ $\mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L}$ $\mathcal{L} \mathcal{L} \mathcal{L}$ $\mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} \mathcal{L} $		chain	-01-01	Chain-of-Custody Record		660-S - SHILL DUDON-HUND	66		I	ALL		TD	ONINA EN.	TAI	ive
Indication Project Name: $\frac{1}{2}$	Client:	-1	- 6%		Z Standard					NAL	N'SY		RORAT		d by
Address: O_{D} E_1 A_{Oddress} A_{Oddress A_{Oddress A_{Oddress A_{Oddress} A_{Oddress <					Project Nam					lleh.ww	environ	menta	com	5	0C1
# Project #: Iele 505-345-3076 #: Project #: Project #: Package: Project Manage: Project Manage: Package: Data Package: Project Manage: Package: Project Manage: Package: Data AC Data<	Mailing	g Address	00	Fill	Nume	1		4901	Hawkir	s NE -	Albuqu	lerque.	NM 87109		D: 6 /1
# $\mathbb{Z}_{2} \mathbb{E}^{-OOL45}$ $\mathbb{Z}_{2} \mathbb{E}^{-OOL45}$ $\mathbb{Z}_{2} \mathbb{E}^{-OOL45}$ $\mathbb{Z}_{2} \mathbb{E}^{-OOL45}$ Package: \square Level 4 (Full Validation)			-		Project #:			Tel	505-34	5-3975	Fax	505-3	5-4107		13/2
Time Project Manager. Periode: \square Level 4 (Full Valdation) Periode: \square Level 4 (Full Valdation) Pateage: \square Level 4 (Full Valdation) Bample: \square Level 4 (Full Valdation) Sample: \square Compliance \square Data \square Compliance \square Data \square Compliance \square Data </td <td>Phone</td> <td>#:</td> <td></td> <td></td> <td>221</td> <td>36100-3</td> <td></td> <td></td> <td></td> <td>A</td> <td>alysis</td> <td>Reque</td> <td>st</td> <td></td> <td>023</td>	Phone	#:			221	36100-3				A	alysis	Reque	st		023
Package: Dermi % Unitidation Dermi % Unitidation Dermi % Unitidation Itation: Package: I Level 4 (Full Validation) Dermi % Unitidation Itation: Package: I Level 4 (Full Validation) Dermi % Unitidation Itation: Pack Compliance Sampler: Level 4 (Full Validation) Itation: Package: On tota: # 00 tota: # 00 tota: Itation: Parka Sampler: Z 3, 1 + 0 (802) Itation: Parka Sampler: Z 3, 1 + 0 (802) Itation: Parka Sampler: Z 3, 1 + 0 (802) Itation: Parka Sampler: Z 3, 1 + 0 (802) Itation: Parka Sampler: Z 3, 1 + 0 (802) Itation: Parka Sampler: Z 3, 1 + 0 (70) Itation: Parka T 4 02 Z 3, 1 + 0 (70) (70) T:140 BHZZ-02 C 4 02 Z 02 (70) (70) (70) T:140 BHZZ-02 C 4 02 Ecc 001 (70) (70)	email c	or Fax#:	_		Project Mana	ager:		-			[†] 0		(11		8:27
Matrix Accompliance Sampler: $CAmpler:$ $Cample:$ C	QA/QC	Package:	_	(mildelin) / (E.ill Molidelin)	Den		Sub	NMR			S '*O		upsurv		':40 A
Itation: PAZ Complance Sampler: Current of the transmission of transmit of transmission of transmission of transmissi of tran		ninain	-					05			Ч,		/11		M
Type) # of Cooler: $Z_{1}^{*} \pm O$ $Z_{1}^{*} \pm O$ $Z_{1}^{*} \pm O$ $Z_{1}^{*} \pm O$ Time Matrix Sample Name Cooler Templosedencer; $Z_{1}^{*} \pm O$ $Z_{1}^{*} + O$ $Z_{1}^{*} + O$ 7:30 $Z_{1}^{*} + Z_{2}^{*} + Z_{1}^{*} + Z_{2}^{*} + $	Accred	litation: AC	D Az Co	ompliance	2	HANCE DIS	KON NO	Ha / C	(1.40		^r ON		19591		
Time Matrix Cooler Temponameters: $3.2^{4}.1$ (0) (1) (2)		(Type)			18	2	(U=).	ЯЭ	g p	slet	_	ΌΛ)		
Time Matrix Sample Name Container Preservative HEAL No. $X \times [0]$ $0 \times [0]$					Cooler Temp	(including CF):)09	oqte	ЭM		-ime	10111		
7:30 20.7 $RH22-0!$ O' U D_2 <th< td=""><td>Date</td><td></td><td>Matrix</td><td>Sample Name</td><td>Container Tvoe and #</td><td>Preservative Tvpe</td><td>HEAL No.</td><td>08:Hay</td><td>M) 803</td><td>8 AR75</td><td></td><td>9S) 0728</td><td>00 1810 1</td><td></td><td></td></th<>	Date		Matrix	Sample Name	Container Tvoe and #	Preservative Tvpe	HEAL No.	08:Hay	M) 803	8 AR75		9S) 0728	00 1810 1		
7:40 $BH2Z-GZ$ O' D' $O'Z$ <	0112	7:30	3017		20 13	72e	202000	1	3	1		3			1
7:45 $8H22-G3$ $0'$ 003	-	7:40	-	0			2 (20				-				
7:50 $BHZZ-O3$ C' D' O' D' O' D' D' 7:55 $BHZZ-O4$ C' D' O' D' D' D' $Z:OZ$ $BHZZ-O4$ C' D' D' D' D' D' $Z:OZ$ $BHZZ-O5$ O' D' D' D' D' D' $Z:ZS$ $BHZZ-O6$ D' D' D' D' D' D' $Z:ZS$ $BHZZ-O5$ D'		2:45		5			803								
$7:55$ $BH2Z-O4$ d' $OO5$ $BH2Z-O4$ d' $@:cos$ $BH2Z-O4$ C' DO_6 DO_6 DO_7 $@:cos$ $BH2Z-O5$ O' DO_7 DO_7 DO_7 $@:cos$ $BH2Z-O5$ O' D' DO_7 DO_7 $@:cos$ $BH2Z-O5$ O' D' D' D' $@:cos$ $BH2Z-O5$ O' D' D' D' $@:cos$ $BH2Z-O5$ D' D' D' D' $@:cos$ $BH2$ D' D' D' D' $@:cos$ $BH2$ D' D' D' D' <td></td> <td>7:50</td> <td></td> <td></td> <td></td> <td></td> <td>۲) ۲</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		7:50					۲) ۲								
$\mathcal{R}:\mathcal{O}$ \mathcal{B} \mathcal{B} \mathcal{O} <		7:55					50Q								
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$\mathbb{S}:/S$ \mathbb{B} HZZ-O6 O' O_{06} \mathbb{B} HZZ-O6 I' $\mathbb{S}:2S$ \mathbb{B} HZZ-O5 I' O' O' O' O' O' $\mathbb{B}:2S$ \mathbb{B} HZZ-O7 O' O' O' O' O' O' O' $\mathbb{B}:2S$ \mathbb{B} HZZ-O7 O' O' O' O' O' O' O' $\mathbb{B}:2S$ \mathbb{B} HZZ-O7 O' O' O' O' O' O' O' $\mathbb{B}:2S$ \mathbb{B} HZZ-O7 O' O' O' O' O' O' O' $\mathbb{B}:2S$ \mathbb{B} HZZ-O7 O' O' O' O' O' O' O' $\mathbb{B}:2S$ \mathbb{B} HZZ-O7 O' O' O' O' O' O' O' $\mathbb{B}:S:\mathcal{VS}$ \mathbb{B} HZZ-O7 O' O' O' O' O' O' $\mathbb{B}:$ $\mathbb{B}:$ \mathcal{O} O' O' O' O' O' $\mathbb{B}:$ \mathcal{O} \mathcal{O} O' O' O' O' O' $\mathbb{B}:$ \mathcal{O} O' O' O' O' O' O' $\mathbb{B}:$ O' O' O' O' O' O' O' <		2:05		0			007								1
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February 23, 2022

Dennis Williams Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

RE: Nymeyer H 1

OrderNo.: 2202708

Dear Dennis Williams:

Hall Environmental Analysis Laboratory received 6 sample(s) on 2/15/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project: Nymeyer H 1

Lab ID:

CLIENT: Vertex Resources Services, Inc.

2202708-001

Analytical Report Lab Order 2202708

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/23/2022 Client Sample ID: BG22-02 0' Collection Date: 2/11/2022 11:00:00 AM

Received Date: 2/15/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/19/2022 12:48:58 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/19/2022 12:48:58 AM
Surr: DNOP	120	51.1-141	%Rec	1	2/19/2022 12:48:58 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 12:43:00 AM
Surr: BFB	99.6	70-130	%Rec	1	2/18/2022 12:43:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 12:43:00 AM
Toluene	ND	0.050	mg/Kg	1	2/18/2022 12:43:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 12:43:00 AM
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 12:43:00 AM
Surr: 4-Bromofluorobenzene	81.3	70-130	%Rec	1	2/18/2022 12:43:00 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	270	60	mg/Kg	20	2/21/2022 6:40:31 PM

Matrix: SOIL

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 10

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BG22-02 1' **Project:** Nymeyer H 1 Collection Date: 2/11/2022 11:05:00 AM Lab ID: 2202708-002 Matrix: SOIL Received Date: 2/15/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.8 mg/Kg 1 2/19/2022 12:59:42 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 2/19/2022 12:59:42 AM 51.1-141 Surr: DNOP 115 %Rec 1 2/19/2022 12:59:42 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/18/2022 1:03:00 AM 5.0 mg/Kg 1 Surr: BFB 99.5 70-130 %Rec 1 2/18/2022 1:03:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/18/2022 1:03:00 AM 0.025 mg/Kg 1 Toluene 0.050 ND mg/Kg 1 2/18/2022 1:03:00 AM Ethylbenzene ND 0.050 mg/Kg 1 2/18/2022 1:03:00 AM Xylenes, Total ND 0.10 mg/Kg 1 2/18/2022 1:03:00 AM 2/18/2022 1:03:00 AM Surr: 4-Bromofluorobenzene 86.3 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 590 61 2/21/2022 6:52:55 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 10

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BG22-15 0' **Project:** Nymeyer H 1 Collection Date: 2/11/2022 11:10:00 AM Lab ID: 2202708-003 Matrix: SOIL Received Date: 2/15/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.5 mg/Kg 1 2/19/2022 1:10:34 AM Motor Oil Range Organics (MRO) 2/19/2022 1:10:34 AM ND 48 mg/Kg 1 Surr: DNOP 95.4 51.1-141 %Rec 1 2/19/2022 1:10:34 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/18/2022 1:23:00 AM 5.0 mg/Kg 1 Surr: BFB 101 70-130 %Rec 1 2/18/2022 1:23:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/18/2022 1:23:00 AM 0.025 mg/Kg 1 Toluene 0.050 ND mg/Kg 1 2/18/2022 1:23:00 AM Ethylbenzene ND 0.050 mg/Kg 1 2/18/2022 1:23:00 AM Xylenes, Total ND 0.10 mg/Kg 1 2/18/2022 1:23:00 AM 2/18/2022 1:23:00 AM Surr: 4-Bromofluorobenzene 88.3 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 180 60 2/21/2022 7:05:20 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 3 of 10

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BG22-15 1' **Project:** Nymeyer H 1 Collection Date: 2/11/2022 11:15:00 AM Lab ID: 2202708-004 Matrix: SOIL Received Date: 2/15/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.2 mg/Kg 1 2/19/2022 1:21:21 AM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 2/19/2022 1:21:21 AM Surr: DNOP 117 51.1-141 %Rec 1 2/19/2022 1:21:21 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/18/2022 1:42:00 AM 5.0 mg/Kg 1 Surr: BFB 95.6 70-130 %Rec 1 2/18/2022 1:42:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/18/2022 1:42:00 AM 0.025 mg/Kg 1 Toluene 0.050 ND mg/Kg 1 2/18/2022 1:42:00 AM Ethylbenzene ND 0.050 mg/Kg 1 2/18/2022 1:42:00 AM Xylenes, Total ND 0.10 mg/Kg 1 2/18/2022 1:42:00 AM 2/18/2022 1:42:00 AM Surr: 4-Bromofluorobenzene 83.5 70-130 %Rec 1 Analyst: LRN **EPA METHOD 300.0: ANIONS** Chloride 63 60 2/21/2022 7:17:44 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 10

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BG22-16 0' **Project:** Nymeyer H 1 Collection Date: 2/11/2022 11:20:00 AM Lab ID: 2202708-005 Matrix: SOIL Received Date: 2/15/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.9 mg/Kg 1 2/19/2022 1:32:07 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 2/19/2022 1:32:07 AM 51.1-141 Surr: DNOP 104 %Rec 1 2/19/2022 1:32:07 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/18/2022 2:02:00 AM 4.9 mg/Kg 1 Surr: BFB 94.9 70-130 %Rec 1 2/18/2022 2:02:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/18/2022 2:02:00 AM 0.024 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 2/18/2022 2:02:00 AM Ethylbenzene ND 0.049 mg/Kg 1 2/18/2022 2:02:00 AM Xylenes, Total ND 0.098 mg/Kg 1 2/18/2022 2:02:00 AM 2/18/2022 2:02:00 AM Surr: 4-Bromofluorobenzene 80.8 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 170 59 2/21/2022 7:30:09 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- POL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits

ma/Ka

20

- Р Sample pH Not In Range
- Reporting Limit RL

Page 5 of 10

Project: Nymeyer H 1

CLIENT: Vertex Resources Services, Inc.

Analytical Report Lab Order 2202708

Date Reported: 2/23/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BG22-16 1' Collection Date: 2/11/2022 11:25:00 AM Received Date: 2/15/2022 8:00:00 AM

Lab ID: 2202708-006	Matrix: SOIL	Rece	eived Date:	2/15/2	022 8:00:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/19/2022 1:42:50 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/19/2022 1:42:50 AM
Surr: DNOP	97.6	51.1-141	%Rec	1	2/19/2022 1:42:50 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 3:00:00 AM
Surr: BFB	94.0	70-130	%Rec	1	2/18/2022 3:00:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 3:00:00 AM
Toluene	ND	0.050	mg/Kg	1	2/18/2022 3:00:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 3:00:00 AM
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 3:00:00 AM
Surr: 4-Bromofluorobenzene	82.6	70-130	%Rec	1	2/18/2022 3:00:00 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	95	60	mg/Kg	20	2/21/2022 7:42:33 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 10

	tex Resources Services, Inc. neyer H 1			
Sample ID: MB-65696	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 65696	RunNo: 85979		
Prep Date: 2/21/2022	Analysis Date: 2/21/2022	SeqNo: 3028742	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-65696	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 65696	RunNo: 85979		
Prep Date: 2/21/2022	Analysis Date: 2/21/2022	SeqNo: 3028743	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	

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 10

2202708

23-Feb-22

Client: Vertex I Project: Nymeye	Resources Services, Inc. er H 1	
Sample ID: LCS-65607	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 65607	RunNo: 85938
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026747 Units: mg/Kg
Analyte Diesel Range Organics (DRO) Surr: DNOP	Result PQL SPK value 46 10 50.00 4.4 5.000	
Sample ID: LCS-65613	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 65613	RunNo: 85938
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026749 Units: %Rec
Analyte Surr: DNOP	ResultPQLSPK value4.45.000	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 88.8 51.1 141 1
Sample ID: LCS-65620	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 65620	RunNo: 85938
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026750 Units: %Rec
Analyte Surr: DNOP	ResultPQLSPK value4.35.000	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 86.5 51.1 141 1
Sample ID: MB-65607	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65607	RunNo: 85938
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026753 Units: mg/Kg
Analyte Diesel Range Organics (DRO) Motor Oil Range Organics (MRO) Surr: DNOP	ResultPQLSPK valueND10ND508.910.00	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 88.8 51.1 141
Sample ID: MB-65613	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65613	RunNo: 85938
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026755 Units: %Rec
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	10 10.00	103 51.1 141
Sample ID: MB-65620	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65620	RunNo: 85938
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026756 Units: %Rec
Analyte Surr: DNOP	ResultPQLSPK value1010.00	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual 99.7 51.1 141 1

Qualifiers:

- Value exceeds Maximum Contaminant Level. *
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

Page 8 of 10

2202708

23-Feb-22

Page 144 of 271
	rtex Resources S meyer H 1	services,	Inc.							
Sample ID: Ics-65588	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	oline Rang	e	
Client ID: LCSS	Batc	h ID: 65	588	F	RunNo: 8	5917				
Prep Date: 2/16/2022	Analysis [Date: 2/	17/2022	5	SeqNo: 3	025624	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GR	.0) 26	5.0	25.00	0	103	78.6	131			
Surr: BFB	1100		1000		107	70	130			
Sample ID: mb-65588	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batc	h ID: 65	588	F	RunNo: 8	5917				
Prep Date: 2/16/2022	Analysis [Date: 2/	17/2022	S	SeqNo: 3	025625	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GR	0) ND	5.0								
Surr: BFB	970		1000		96.6	70	130			

- * 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 10

2202708

23-Feb-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex Resources Services, Inc. Project: Nymeyer H 1												
Sample ID: Ics-65588	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles				
Client ID: LCSS	Batc	h ID: 65	588	F	RunNo: 8	5917						
Prep Date: 2/16/2022	Analysis [Date: 2/	17/2022	S	SeqNo: 3	025677	Units: mg/#	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.95	0.025	1.000	0	95.3	80	120					
Toluene	0.95	0.050	1.000	0	95.3	80	120					
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120					
Kylenes, Total	2.8	0.10	3.000	0	94.5	80	120					
Surr: 4-Bromofluorobenzene	0.82		1.000		82.2	70	130					
Sample ID: mb-65588	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles				
Client ID: PBS	Batc	h ID: 65	588	F	RunNo: 8	5917						
Prep Date: 2/16/2022	Analysis [Date: 2/	17/2022	5	SeqNo: 3	025678	Units: mg/#	g				
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										
Kylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	0.84		1.000		83.6	70	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 10

2202708

23-Feb-22

	ANAL	RONMEN	TAL	7	lall Environn EL: 505-345 Website: clie	49 Albuquer -3975 FAX	001 Hawl rque, NM 2: 505-34	kins NE 187109 15-4107	Sa	mple Log-In Check List	e 147 (
(Client Name:	Vertex Re Services,		Wo	rk Order Nu	mber: 22(02708			RcptNo: 1	
R	Received By:	Sean Liv	vingston	2/15/2	022 8:00:00) AM		5	/	mak	
С	completed By:	Sean Liv	/ingston	2/15/2	022 9:22:5	7 AM		0		not	
R	Reviewed By:	Jn 21	115/22					2		not	
<u>C</u>	hain of Cus	stody									
1.	Is Chain of C	ustody com	plete?			Yes		No		Not Present	
2.	How was the	sample deli	ivered?			Cou	urier				
L	og In										
3.	Was an atten	npt made to	cool the sam	oles?		Yes		No			
4.	Were all sam	ples receive	d at a tempera	ature of >0° C	to 6.0°C	Yes		No			
5.	Sample(s) in	proper conta	ainer(s)?			Yes		No			
6.	Sufficient sam	ple volume	for indicated t	est(s)?		Yes		No			
7.	Are samples (except VOA	and ONG) pr	operly preserv	ed?	Yes		No			
8.	Was preserva	tive added to	o bottles?			Yes		No		NA 🗌	
9. 1	Received at le	ast 1 vial wi	th headspace	<1/4" for AQ	VOA?	Yes		No	П		
	Were any san					Yes		No			1
11.1	Does paperwo (Note discrepa	ork match bo ancies on ch	ttle labels?			Yes		No		# of preserved bottles checked for pH:	
	Are matrices c					Yes		No		(<2 or >12 unless noted) Adjusted?)
	ls it clear what							No	n l	/	
14.1	Were all holdir If no, notify cu	ng times able	e to be met?			Yes		No		- Checked by: KPG 2/13	5/20
	cial Handli									1	
15.	Was client not	tified of all d	iscrepancies v	with this order	2	Yes		No		NA 🗹	
	Person I	Notified:	[Date	-			-		
	By Who	m:			Via:	eMa	ail 🗆 F	Phone	Fax	In Person	
	Regardin	ng:									
		structions:									
16.	Additional ren	narks:									
17.	Cooler Inform	The second se	1.4	lander i							
	Cooler No 1	Temp °C 1.7	Condition	Seal Intact	Seal No	Seal Da	ate	Signed E	By		
	2	1.7	Good Good								
	5.0	1.0	5000								

Page 1 of 1

Turn-Around Time: 5-1294	Z Standard Rush		Nymeyer A#1	Project #: Tel Enc 345 2075 Ec.		, [†] (Denm'S Williams (8021 (8021	Sampler: <i>Chance Dixon</i> Sampler: <i>Chance Dixon</i> On Ice: <i>M</i> /As	100 100 100 100 100 100 100 100 100 100	(Including CF): 1 × -O 1 = 1 + 1 (°C) MTE = 2D((Mdt	Container Preservative HEAL No. EX 081 P. CC RA 8 Type and # Tyme			, o	,	0,						Received by: Via: Date Time	N. T. T. T. Nellialks. N. C. Larve	MANNANA 21422 115
Chain-of-Custody Record	Sclient:	280	Mailing Address: On Fild	~	Phone #:	email or Fax#:	QA/QC Package:	Accreditation: \[Az Compliance \] NELAC \] Other	/pe)		Date Time Matrix Sample Name	1 11:00 3071 36,22-02 0	8622-02	11.1	1:12 8422-15 1	11:20 8172-16 0	11:25 3422-161	-	W	0#-2	 EZ0Z/	Mate: Time: Relinquished by:		1

1

MA 20:30:2 E202/8/11 :gnigaml ot besaeles .



February 28, 2022

Dennis Williams Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

RE: Nymeyer A 1

OrderNo.: 2202830

Dear Dennis Williams:

Hall Environmental Analysis Laboratory received 6 sample(s) on 2/17/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab ID:

Xylenes, Total

Analytical Report Lab Order 2202830

Date Reported: 2/28/2022

2/19/2022 3:15:00 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-01 4' Nymeyer A 1 **Project:** Collection Date: 2/15/2022 8:30:00 AM 2202830-001 Matrix: SOIL Received Date: 2/17/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** ND 9.2 mg/Kg 1 2/22/2022 8:52:18 PM Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 2/22/2022 8:52:18 PM Surr: DNOP 85.1 51.1-141 %Rec 1 2/22/2022 8:52:18 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/19/2022 3:15:00 PM 5.0 mg/Kg 1 Surr: BFB 101 70-130 %Rec 1 2/19/2022 3:15:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/19/2022 3:15:00 PM 0.025 mg/Kg 1 Toluene 0.050 ND mg/Kg 1 2/19/2022 3:15:00 PM Ethylbenzene ND 0.050 mg/Kg 1 2/19/2022 3:15:00 PM

Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	1	2/19/2022 3:15:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	770	60	mg/Kg	20	2/23/2022 1:10:36 AM

ND

0.10

mg/Kg

1

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 10

Project: Nymeyer A 1

CLIENT: Vertex Resources Services, Inc.

Analytical Report Lab Order 2202830

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH22-05 4' Collection Date: 2/15/2022 8:45:00 AM Received Date: 2/17/2022 8:00:00 AM

Lab ID: 2202830-002	Matrix: SOIL	Rece	eived Date:	2/17/2	022 8:00:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	21	9.9	mg/Kg	1	2/22/2022 9:06:51 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/22/2022 9:06:51 PM
Surr: DNOP	82.4	51.1-141	%Rec	1	2/22/2022 9:06:51 PM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/19/2022 3:35:00 PM
Surr: BFB	104	70-130	%Rec	1	2/19/2022 3:35:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	2/19/2022 3:35:00 PM
Toluene	ND	0.047	mg/Kg	1	2/19/2022 3:35:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/19/2022 3:35:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/19/2022 3:35:00 PM
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	2/19/2022 3:35:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	270	60	mg/Kg	20	2/23/2022 1:23:01 AM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 10

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-10 2' **Project:** Nymeyer A 1 Collection Date: 2/15/2022 9:00:00 AM Lab ID: 2202830-003 Matrix: SOIL Received Date: 2/17/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.5 mg/Kg 1 2/22/2022 9:21:17 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 2/22/2022 9:21:17 PM Surr: DNOP 85.4 51.1-141 %Rec 1 2/22/2022 9:21:17 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/19/2022 3:55:00 PM 4.8 mg/Kg 1 Surr: BFB 99.0 70-130 %Rec 1 2/19/2022 3:55:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/19/2022 3:55:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 2/19/2022 3:55:00 PM Ethylbenzene ND 0.048 mg/Kg 1 2/19/2022 3:55:00 PM Xylenes, Total ND 0.097 mg/Kg 1 2/19/2022 3:55:00 PM 2/19/2022 3:55:00 PM Surr: 4-Bromofluorobenzene 85.5 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 180 60 2/23/2022 1:35:26 AM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 10

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-11 2' **Project:** Nymeyer A 1 Collection Date: 2/15/2022 9:15:00 AM Lab ID: 2202830-004 Matrix: SOIL Received Date: 2/17/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 2/22/2022 9:35:30 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 2/22/2022 9:35:30 PM 51.1-141 Surr: DNOP 89.5 %Rec 1 2/22/2022 9:35:30 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/19/2022 4:15:00 PM 4.9 mg/Kg 1 Surr: BFB 99.4 70-130 %Rec 1 2/19/2022 4:15:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/19/2022 4:15:00 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 2/19/2022 4:15:00 PM Ethylbenzene ND 0.049 mg/Kg 1 2/19/2022 4:15:00 PM Xylenes, Total ND 0.098 mg/Kg 1 2/19/2022 4:15:00 PM 2/19/2022 4:15:00 PM Surr: 4-Bromofluorobenzene 88.1 70-130 %Rec 1 Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride ND 60 2/23/2022 1:47:50 AM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 10

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-08 6.5' **Project:** Nymeyer A 1 Collection Date: 2/15/2022 11:00:00 AM Lab ID: 2202830-005 Matrix: SOIL Received Date: 2/17/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 500 10 mg/Kg 1 2/22/2022 9:49:51 PM Motor Oil Range Organics (MRO) 310 50 mg/Kg 1 2/22/2022 9:49:51 PM Surr: DNOP 80.5 51.1-141 %Rec 1 2/22/2022 9:49:51 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/19/2022 4:34:00 PM 4.7 mg/Kg 1 Surr: BFB 115 70-130 %Rec 1 2/19/2022 4:34:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 2/19/2022 4:34:00 PM 0.023 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 2/19/2022 4:34:00 PM Ethylbenzene ND 0.047 mg/Kg 1 2/19/2022 4:34:00 PM Xylenes, Total ND 0.093 mg/Kg 1 2/19/2022 4:34:00 PM 2/19/2022 4:34:00 PM Surr: 4-Bromofluorobenzene 91.1 70-130 %Rec 1 Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 1100 60 2/23/2022 2:00:15 AM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND

Not Detected at the Reporting Limit POL

Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference

- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

Page 5 of 10

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-09 8' **Project:** Nymeyer A 1 Collection Date: 2/15/2022 11:15:00 AM Lab ID: 2202830-006 Matrix: SOIL Received Date: 2/17/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 2/22/2022 10:03:58 PM ND 9.9 mg/Kg 1 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 2/22/2022 10:03:58 PM 51.1-141 Surr: DNOP 85.9 %Rec 1 2/22/2022 10:03:58 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 2/19/2022 4:54:00 PM 4.6 mg/Kg 1 Surr: BFB 103 70-130 %Rec 1 2/19/2022 4:54:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA 2/19/2022 4:54:00 PM Benzene ND 0.023 mg/Kg 1 Toluene ND 0.046 mg/Kg 1 2/19/2022 4:54:00 PM Ethylbenzene ND 0.046 mg/Kg 1 2/19/2022 4:54:00 PM Xylenes, Total ND 0.093 mg/Kg 1 2/19/2022 4:54:00 PM 2/19/2022 4:54:00 PM Surr: 4-Bromofluorobenzene 89.4 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 60 2/23/2022 2:12:40 AM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 10

Client: Project:	Vertex R Nymeye	Resources S r A 1	ervices	, Inc.										
Sample ID: MB-	65736	SampT	ype: m l	olk	Tes	tCode: EF	PA Method	300.0: Anion	s					
Client ID: PBS	5	Batch	n ID: 65	736	F	RunNo: 8 5	5985							
Prep Date: 2/2	2/2022	Analysis D	ate: 2/	22/2022	S	SeqNo: 30	30667	Units: mg/K	g/Kg					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Chloride		ND	1.5											
Sample ID: LCS	-65736	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s					
Client ID: LCS	S	Batch	n ID: 65	736	F	RunNo: 8	5985							
Prep Date: 2/2	2/2022	Analysis D	ate: 2/	22/2022	S	SeqNo: 30	30668	Units: mg/K	g					
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Chloride		14	1.5	15.00	0	93.8	90	110						

- * 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 10

2202830

28-Feb-22

	ertex Resources Services, Inc. meyer A 1
Sample ID: MB-65649	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65649 RunNo: 85962
Prep Date: 2/18/2022	Analysis Date: 2/21/2022 SeqNo: 3028002 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO	·
Motor Oil Range Organics (M	RO) ND 50
Surr: DNOP	11 10.00 106 51.1 141
Sample ID: LCS-65649	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 65649 RunNo: 85962
Prep Date: 2/18/2022	Analysis Date: 2/21/2022 SeqNo: 3028003 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 68.9 135
Surr: DNOP	5.3 5.000 107 51.1 141
Sample ID: LCS-65729	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 65729 RunNo: 86029
Prep Date: 2/22/2022	Analysis Date: 2/23/2022 SeqNo: 3032027 Units: %Rec
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	4.5 5.000 89.2 51.1 141
Sample ID: MB-65729	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65729 RunNo: 86029
Prep Date: 2/22/2022	Analysis Date: 2/23/2022 SeqNo: 3032030 Units: %Rec
Analyte	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.4 10.00 93.9 51.1 141

- * 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2202830

28-Feb-22

	Services,	, Inc.							
I Samp	Type: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Bat	ch ID: 65	624	F	RunNo: 8	5948				
22 Analysis	Date: 2/	19/2022	5	SeqNo: 3	027147	Units: mg/k	۲g		
Result	PQL	SPK value SPK Ref V		%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
GRO) 26	5.0	25.00	0	105	78.6	131			
1300		1000		129	70	130			
4 Samp	туре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	
Bat	ch ID: 65	624	F	RunNo: 8	5948				
22 Analysis	Date: 2/	19/2022	5	SeqNo: 3	027148	Units: mg/k	٢g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
GRO) ND	5.0								
1200		1000		115	70	130			
	Vymeyer A 1 4 Samp Bate 22 Analysis Result (GRO) 26 1300 4 Samp Bate 22 Analysis Result (GRO) ND	Nymeyer A 1 4 SampType: LC Batch ID: 65 22 Analysis Date: 2/ Result PQL GRO) 26 5.0 1300 4 SampType: MI Batch ID: 65 22 Analysis Date: 2/ Result PQL GRO) ND 5.0	4 SampType: LCS Batch ID: 65624 22 Analysis Date: 2/19/2022 Result PQL SPK value (GR0) 26 5.0 25.00 1300 1000 4 SampType: MBLK Batch ID: 65624 22 Analysis Date: 2/19/2022 Result PQL SPK value (GR0) ND 5.0	Nymeyer A 1 4 SampType: LCS Test Batch ID: 65624 Batch ID: 65624 R 22 Analysis Date: 2/19/2022 S Result PQL SPK value SPK Ref Val 26 5.0 25.00 0 300 1000 1000 1000 4 SampType: MBLK Test Batch ID: 65624 R 22 Analysis Date: 2/19/2022 S 4 SampType: MBLK Test Batch ID: 65624 R 22 Analysis Date: 2/19/2022 S Result PQL SPK value SPK Ref Val GRO) ND 5.0 S	Nymeyer A 1 SampType: LCS TestCode: Eff Batch ID: 65624 RunNo: 84 22 Analysis Date: 2/19/2022 SeqNo: 34 Result PQL SPK value SPK Ref Val %REC GRO) 26 5.0 25.00 0 105 1300 1000 129 4 SampType: MBLK TestCode: Eff Batch ID: 65624 RunNo: 84 22 Analysis Date: 2/19/2022 SeqNo: 30 4 SampType: MBLK TestCode: Eff Batch ID: 65624 RunNo: 84 22 Analysis Date: 2/19/2022 SeqNo: 30 22 Analysis Date: 2/19/2022 SeqNo: 30 23 GRO) ND 5.0 SeqNo: 30	A SampType: LCS TestCode: EPA Method Batch ID: 65624 RunNo: 85948 22 Analysis Date: 2/19/2022 SeqNo: 3027147 Result PQL SPK value SPK Ref Val %REC LowLimit GR0) 26 5.0 25.00 0 105 78.6 1300 1000 129 70 4 SampType: MBLK TestCode: EPA Method Batch ID: 65624 RunNo: 85948 22 Analysis Date: 2/19/2022 SeqNo: 3027147 4 SampType: MBLK TestCode: EPA Method Batch ID: 65624 RunNo: 85948 22 Analysis Date: 2/19/2022 SeqNo: 3027148 Result PQL SPK value SPK Ref Val %REC LowLimit GR0) ND 5.0 SeqNo: 3027148 SeqNo: 3027148	Aymeyer A 1 TestCode: EPA Method 8015D: Gaso 4 SampType: LCS TestCode: EPA Method 8015D: Gaso 22 Analysis Date: 2/19/2022 SeqNo: 3027147 Units: mg/k 22 Analysis Date: 2/19/2022 SeqNo: 3027147 Units: mg/k 24 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 36R0) 26 5.0 25.00 0 105 78.6 131 1300 1000 129 70 130 4 SampType: MBLK TestCode: EPA Method 8015D: Gaso 22 Analysis Date: 2/19/2022 SeqNo: 3027148 Units: mg/k 22 Analysis Date: 2/19/2022 SeqNo: 3027148 Units: mg/k 22 Analysis Date: 2/19/2022 SeqNo: 3027148 Units: mg/k 22 Analysis Date: 2/19	Aymeyer A 1 4 SampType: LCS TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 65624 22 Analysis Date: 2/19/2022 SeqNo: 3027147 Units: mg/Kg 22 Analysis Date: 2/19/2022 SeqNo: 3027147 Units: mg/Kg 23 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 300 26 5.0 25.00 0 105 78.6 131 4 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 65624 RunNo: 85948 22 Analysis Date: 2/19/2022 SeqNo: 3027148 Units: mg/Kg 22 Analysis Date: 2/19/2022 SeqNo: 3027148 Units: mg/Kg 32 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 33 7 7 7 7 7 7 7 7 4 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 65624 7 7 7 7 7 4 SampType: MBLK 7 7 7	Nymeyer A 1 TestCode: EPA Method 8015D: Gasoline Range Batch ID: 65624 RunNo: 85948 22 Analysis Date: 2/19/2022 SeqNo: 3027147 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit GR0 26 5.0 25.00 0 105 78.6 131 4 <samptype: mblk<="" th=""> TestCode: EPA Method 8015D: Gasoline Range Batch ID: 65624 RunNo: 85948 22<analysis 19="" 2="" 2022<="" date:="" th=""> SeqNo: 3027148 Units: mg/Kg Batch ID: 65624 RunNo: 85948 Batch ID: 65624 RunNo: 85948 Cal PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Method 8015D: Gasoline Range Batch ID: 65624 RunNo: 85948 22<analysis 19="" 2="" 2022<="" date:="" th=""> SeqNo: 3027148 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit GR0 ND 5.0</analysis></analysis></samptype:>

- * 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 10

2202830

28-Feb-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex Resources Services, Inc. Project: Nymeyer A 1												
Sample ID: Ics-65624	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles				
Client ID: LCSS	Batc	h ID: 65	624	F	RunNo: 8	5948						
Prep Date: 2/17/2022	Analysis [Date: 2/	19/2022	S	SeqNo: 3	027211	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.91	0.025	1.000	0	90.8	80	120					
Foluene	0.93	0.050	1.000	0	93.1	80	120					
Ethylbenzene	0.94	0.050	1.000	0	94.1	80	120					
Kylenes, Total	2.8	0.10	3.000	0	94.3	80	120					
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130					
Sample ID: mb-65624	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles				
Client ID: PBS	Batc	h ID: 65	624	F	RunNo: 8	5948						
Prep Date: 2/17/2022	Analysis [Date: 2/	19/2022	S	SeqNo: 3	027212	Units: mg/K	íg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Foluene	ND	0.050										
Ethylbenzene	ND	0.050										
Kylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2202830

28-Feb-22

ANAL	RONMENTAL Ysis Ratory	TEL: 505-345 Website: clie	4901 Hawk Albuquerque, NM -3975 FAX: 505-34 nts.hallenvironment	87109 Sa	Sample Log-In Check List				
Client Name:	Vertex Resources Services, Inc.	Work Order Nu	mber: 2202830		RcptNo: 1				
Received By:	Cheyenne Cason	2/17/2022 8:00:00	AM	chul					
Completed By:	Cheyenne Cason	2/17/2022 8:47:12	AM	Chul Chul					
Reviewed By:	0 2-17-22			qual					
Chain of Cus	tody								
States and the second second	ustody complete?		Yes 🔽	No 🗌	Not Present				
2. How was the	sample delivered?		Courier						
Log In									
Was an attem	npt made to cool the samp	les?	Yes 🔽	No 🗌					
1. Were all samp	ples received at a tempera	ture of >0° C to 6.0°C	Yes 🔽	No 🗌					
5. Sample(s) in p	proper container(s)?		Yes 🗹	No 🗌					
Sufficient sam	ple volume for indicated te	st(s)?	Yes 🗸	No 🗌					
7. Are samples (e	except VOA and ONG) pro	perly preserved?	Yes 🔽	No 🗌					
 Was preservat 	ive added to bottles?		Yes 🗌	No 🔽	NA 🗌				
. Received at lea	ast 1 vial with headspace <	1/4" for AQ VOA2	Yes	No 🗔	NA 🗹				
	ple containers received br		Yes	No 🔽	NA 🔽				
			103		# of preserved				
	rk match bottle labels?		Yes 🔽	No 🗌	bottles checked for pH:	/			
	ncies on chain of custody) prrectly identified on Chain			_	(<2 or >12 0	nless noted)			
	analyses were requested?	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Yes 🗹	No 🗌	Adjusted?				
	g times able to be met?		Yes 🗹 Yes 🔽	No 🗌	Chapterd but C 4	-1 -1			
(If no, notify cu	stomer for authorization.)		Tes 💌	No 🗌	Checked by: Che	C117/22			
pecial Handli	ng (if applicable)								
5. Was client not	ified of all discrepancies w	th this order?	Yes 🗌	No 🗌					
Person N	lotified:	Date:							
By Whor	n:	Via:		hone 🦳 Fax	In Person				
Regardin	g:								
	structions:								
5. Additional rem	arks:								
	Temp °C Condition	Seal Intact Seal No Not Present	Seal Date	Signed By					
2		Not Present							

Page 1 of 1

					023 8	:27:40	AM															ge 161 of
	ANAL VERVIKONMEN AL	ANALI SIS LABORALORI	www.nailenvironmental.com 4901 Hawkins NE - Albitcherdite NM 87109	45-3975 Fax 505-345-4107	Analysis	*OS '*	Ю	r) NO ^{s,}	o 0 sls ,5C	re8 het / Nd / Md / Md	РАН5 by							-			CC: Chance Dixon	
			4901 Haw	Tel. 505-345-3975		(OAM	10	2808	SRC SRC	D) DC((втех / 1 108:н9 2991 Рез 2991 Рез 2012	2	-								Remarks:	
Turn-Around Time: 5 - 299	Ja Standard 故 Rush	Project Name:	Nymeysr A#1	Project #:	222-00/2	Project Manager:		DrXon		(including CF): 4.8-0=4 \$ (°C)	HEAL No.	ICC (30)		28.3	(Sev	605	and and	The mater			Received by: Via: Date Time Re	Via: Vi Countr U
Chain-of-Custody Record	24%	,	dn Fill				/	Az Compliance Other			Matrix Sample Name	SOIT BHZZ-01 4'	BHZZ-05 4	BH22-10 21	BHZZ-11 21	BH22.08 6,5'	BH22-09 X'	1			Relinquished by:	Relinquished by:
Chain	Client:		Mailing Address:		Phone #:	email or Fax#: QA/QC Package:	□ Standard	Accreditation:	□ EDD (Type)		Date Time	2/15 8:30	54:28	0:00	9:15	11:00	1 11:15				Date: Time: F	24 Time: F

Released to Imaging: 11/6/2023 2:06:02 PM

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-01 6' **Project:** Nymeyer H 1 Collection Date: 3/9/2022 9:00:00 AM Lab ID: 2203663-001 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 10 mg/Kg 1 3/16/2022 1:44:45 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 3/16/2022 1:44:45 PM Surr: DNOP 104 51.1-141 %Rec 1 3/16/2022 1:44:45 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 12:02:00 PM 4.8 mg/Kg 1 Surr: BFB 103 70-130 %Rec 1 3/14/2022 12:02:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 12:02:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 3/14/2022 12:02:00 PM Ethylbenzene ND 0.048 mg/Kg 1 3/14/2022 12:02:00 PM Xylenes, Total ND 0.096 mg/Kg 1 3/14/2022 12:02:00 PM 3/14/2022 12:02:00 PM Surr: 4-Bromofluorobenzene 86.8 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride ND 60 3/17/2022 11:54:20 AM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-06 2' **Project:** Nymeyer H 1 Collection Date: 3/9/2022 9:05:00 AM Lab ID: 2203663-002 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** ND 9.7 mg/Kg 1 3/16/2022 1:55:33 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 3/16/2022 1:55:33 PM 51.1-141 Surr: DNOP 82.6 %Rec 1 3/16/2022 1:55:33 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 1:01:00 PM 4.8 mg/Kg 1 Surr: BFB 107 70-130 %Rec 1 3/14/2022 1:01:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 1:01:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 3/14/2022 1:01:00 PM Ethylbenzene ND 0.048 mg/Kg 1 3/14/2022 1:01:00 PM Xylenes, Total ND 0.097 mg/Kg 1 3/14/2022 1:01:00 PM 3/14/2022 1:01:00 PM Surr: 4-Bromofluorobenzene 91.6 70-130 %Rec 1 Analyst: LRN **EPA METHOD 300.0: ANIONS** Chloride ND 60 3/17/2022 12:31:32 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 0

Released to Imaging: 11/6/2023 2:06:02 PM

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-07 2' **Project:** Nymeyer H 1 Collection Date: 3/9/2022 9:10:00 AM Lab ID: 2203663-003 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** ND 9.6 mg/Kg 1 3/16/2022 2:06:20 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 3/16/2022 2:06:20 PM Surr: DNOP 97.9 51.1-141 %Rec 1 3/16/2022 2:06:20 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 2:00:00 PM 4.8 mg/Kg 1 Surr: BFB 98.4 70-130 %Rec 1 3/14/2022 2:00:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 2:00:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 3/14/2022 2:00:00 PM Ethylbenzene ND 0.048 mg/Kg 1 3/14/2022 2:00:00 PM Xylenes, Total ND 0.097 mg/Kg 1 3/14/2022 2:00:00 PM 3/14/2022 2:00:00 PM Surr: 4-Bromofluorobenzene 85.7 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride ND 60 3/17/2022 12:43:56 PM ma/Ka 20

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

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 range due to dilution or matrix interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 3 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-08 8' **Project:** Nymeyer H 1 Collection Date: 3/9/2022 9:15:00 AM Lab ID: 2203663-004 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.3 mg/Kg 1 3/16/2022 2:17:10 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 3/16/2022 2:17:10 PM Surr: DNOP 118 51.1-141 %Rec 1 3/16/2022 2:17:10 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 2:19:00 PM 4.7 mg/Kg 1 Surr: BFB 99.5 70-130 %Rec 1 3/14/2022 2:19:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 2:19:00 PM 0.023 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 3/14/2022 2:19:00 PM Ethylbenzene ND 0.047 mg/Kg 1 3/14/2022 2:19:00 PM Xylenes, Total ND 0.094 mg/Kg 1 3/14/2022 2:19:00 PM 3/14/2022 2:19:00 PM Surr: 4-Bromofluorobenzene 85.6 70-130 %Rec 1 Analyst: LRN **EPA METHOD 300.0: ANIONS** Chloride ND 60 3/17/2022 12:56:20 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-17 0' **Project:** Nymeyer H 1 Collection Date: 3/9/2022 9:20:00 AM Lab ID: 2203663-005 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** ND 9.9 mg/Kg 1 3/16/2022 2:40:46 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 3/16/2022 2:40:46 PM 51.1-141 Surr: DNOP 93.6 %Rec 1 3/16/2022 2:40:46 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 2:39:00 PM 5.0 mg/Kg 1 Surr: BFB 106 70-130 %Rec 1 3/14/2022 2:39:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 2:39:00 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 3/14/2022 2:39:00 PM Ethylbenzene ND 0.050 mg/Kg 1 3/14/2022 2:39:00 PM Xylenes, Total ND 0.10 mg/Kg 1 3/14/2022 2:39:00 PM 3/14/2022 2:39:00 PM Surr: 4-Bromofluorobenzene 87.9 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride ND 60 3/17/2022 1:08:44 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-17 2' **Project:** Nymeyer H 1 Collection Date: 3/9/2022 9:25:00 AM Lab ID: 2203663-006 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.8 mg/Kg 1 3/16/2022 2:51:35 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 3/16/2022 2:51:35 PM 51.1-141 Surr: DNOP 100 %Rec 1 3/16/2022 2:51:35 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 2:59:00 PM 4.8 mg/Kg 1 Surr: BFB 106 70-130 %Rec 1 3/14/2022 2:59:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 2:59:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 3/14/2022 2:59:00 PM Ethylbenzene ND 0.048 mg/Kg 1 3/14/2022 2:59:00 PM Xylenes, Total ND 0.096 mg/Kg 1 3/14/2022 2:59:00 PM 3/14/2022 2:59:00 PM Surr: 4-Bromofluorobenzene 89.9 70-130 %Rec 1 Analyst: LRN **EPA METHOD 300.0: ANIONS** Chloride ND 60 3/17/2022 1:21:08 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-18 0' Nymeyer H 1 **Project:** Collection Date: 3/9/2022 9:30:00 AM Lab ID: 2203663-007 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** ND 9.6 mg/Kg 1 3/16/2022 3:02:27 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 3/16/2022 3:02:27 PM Surr: DNOP 82.9 51.1-141 %Rec 1 3/16/2022 3:02:27 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 3:19:00 PM 4.6 mg/Kg 1 Surr: BFB 104 70-130 %Rec 1 3/14/2022 3:19:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 3:19:00 PM 0.023 mg/Kg 1 Toluene ND 0.046 mg/Kg 1 3/14/2022 3:19:00 PM Ethylbenzene ND 0.046 mg/Kg 1 3/14/2022 3:19:00 PM Xylenes, Total ND 0.092 mg/Kg 1 3/14/2022 3:19:00 PM 3/14/2022 3:19:00 PM Surr: 4-Bromofluorobenzene 88.9 70-130 %Rec 1 Analyst: LRN **EPA METHOD 300.0: ANIONS** Chloride ND 60 3/17/2022 1:58:22 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-18 2' **Project:** Nymeyer H 1 Collection Date: 3/9/2022 9:35:00 AM Lab ID: 2203663-008 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** ND 10 mg/Kg 1 3/16/2022 3:13:24 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 3/16/2022 3:13:24 PM Surr: DNOP 89.3 51.1-141 %Rec 1 3/16/2022 3:13:24 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 3:38:00 PM 4.7 mg/Kg 1 Surr: BFB 102 70-130 %Rec 1 3/14/2022 3:38:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 3:38:00 PM 0.024 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 3/14/2022 3:38:00 PM Ethylbenzene ND 0.047 mg/Kg 1 3/14/2022 3:38:00 PM Xylenes, Total ND 0.095 mg/Kg 1 3/14/2022 3:38:00 PM 3/14/2022 3:38:00 PM Surr: 4-Bromofluorobenzene 87.8 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride ND 60 3/17/2022 2:10:47 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-19 0' **Project:** Nymeyer H 1 Collection Date: 3/9/2022 9:40:00 AM Lab ID: 2203663-009 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** ND 10 mg/Kg 1 3/16/2022 3:24:24 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 3/16/2022 3:24:24 PM Surr: DNOP 99.0 51.1-141 %Rec 1 3/16/2022 3:24:24 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 3:58:00 PM 4.8 mg/Kg 1 Surr: BFB 102 70-130 %Rec 1 3/14/2022 3:58:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 3:58:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 3/14/2022 3:58:00 PM Ethylbenzene ND 0.048 mg/Kg 1 3/14/2022 3:58:00 PM Xylenes, Total ND 0.096 mg/Kg 1 3/14/2022 3:58:00 PM 3/14/2022 3:58:00 PM Surr: 4-Bromofluorobenzene 87.3 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride ND 61 3/17/2022 2:23:11 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 9 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-19 2' Nymeyer H 1 **Project:** Collection Date: 3/9/2022 9:45:00 AM Lab ID: 2203663-010 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 3/16/2022 3:35:21 PM ND 10 mg/Kg 1 Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 3/16/2022 3:35:21 PM Surr: DNOP 99.1 51.1-141 %Rec 1 3/16/2022 3:35:21 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 4:18:00 PM 4.7 mg/Kg 1 Surr: BFB 101 70-130 %Rec 1 3/14/2022 4:18:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 4:18:00 PM 0.024 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 3/14/2022 4:18:00 PM Ethylbenzene ND 0.047 mg/Kg 1 3/14/2022 4:18:00 PM Xylenes, Total ND 0.094 mg/Kg 1 3/14/2022 4:18:00 PM 3/14/2022 4:18:00 PM Surr: 4-Bromofluorobenzene 87.0 70-130 %Rec 1 Analyst: LRN **EPA METHOD 300.0: ANIONS** Chloride ND 60 3/17/2022 2:35:35 PM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL

Practical Quanitative Limit

S % Recovery outside of range due to dilution or matrix interference в Analyte detected in the associated Method Blank

Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

Reporting Limit RL

Page 10 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-20 0' Nymeyer H 1 **Project:** Collection Date: 3/9/2022 9:50:00 AM Lab ID: 2203663-011 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 3/16/2022 3:46:18 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 3/16/2022 3:46:18 PM Surr: DNOP 80.8 51.1-141 %Rec 1 3/16/2022 3:46:18 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 4:57:00 PM 4.7 mg/Kg 1 Surr: BFB 101 70-130 %Rec 1 3/14/2022 4:57:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA 3/14/2022 4:57:00 PM Benzene ND 0.023 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 3/14/2022 4:57:00 PM Ethylbenzene ND 0.047 mg/Kg 1 3/14/2022 4:57:00 PM Xylenes, Total ND 0.094 mg/Kg 1 3/14/2022 4:57:00 PM 3/14/2022 4:57:00 PM Surr: 4-Bromofluorobenzene 86.5 70-130 %Rec 1 Analyst: LRN **EPA METHOD 300.0: ANIONS** Chloride ND 60 3/17/2022 2:48:00 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-20 2' **Project:** Nymeyer H 1 Collection Date: 3/9/2022 9:55:00 AM Lab ID: 2203663-012 Matrix: SOIL Received Date: 3/11/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 3/16/2022 3:57:14 PM ND 9.2 mg/Kg 1 Motor Oil Range Organics (MRO) ND 46 mg/Kg 1 3/16/2022 3:57:14 PM Surr: DNOP 91.4 51.1-141 %Rec 1 3/16/2022 3:57:14 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 3/14/2022 5:17:00 PM 4.7 mg/Kg 1 Surr: BFB 100 70-130 %Rec 1 3/14/2022 5:17:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 3/14/2022 5:17:00 PM 0.023 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 3/14/2022 5:17:00 PM Ethylbenzene ND 0.047 mg/Kg 1 3/14/2022 5:17:00 PM Xylenes, Total ND 0.094 mg/Kg 1 3/14/2022 5:17:00 PM 3/14/2022 5:17:00 PM Surr: 4-Bromofluorobenzene 85.0 70-130 %Rec 1 Analyst: LRN **EPA METHOD 300.0: ANIONS** Chloride ND 60 3/17/2022 3:00:24 PM ma/Ka 20

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

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 range due to dilution or matrix interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 12 of 0



April 12, 2022

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

OrderNo.: 2203F78

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Nymeyer A 1

Dear Dennis Williams:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/30/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report Lab Order 2203F78

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-01 2' **Project:** Nymeyer A 1 Collection Date: 3/28/2022 11:00:00 AM Lab ID: 2203F78-001 Matrix: SOIL Received Date: 3/30/2022 9:15:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 10 mg/Kg 1 4/1/2022 9:29:07 AM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 4/1/2022 9:29:07 AM 51.1-141 Surr: DNOP 110 %Rec 1 4/1/2022 9:29:07 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/1/2022 12:49:23 AM 4.8 mg/Kg 1 Surr: BFB 101 37.7-212 %Rec 1 4/1/2022 12:49:23 AM **EPA METHOD 8021B: VOLATILES** Analyst: BRM 4/1/2022 12:49:23 AM Benzene ND 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 4/1/2022 12:49:23 AM Ethylbenzene ND 0.048 mg/Kg 1 4/1/2022 12:49:23 AM Xylenes, Total ND 0.096 mg/Kg 1 4/1/2022 12:49:23 AM 4/1/2022 12:49:23 AM Surr: 4-Bromofluorobenzene 101 70-130 %Rec 1 Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 220 61 4/6/2022 1:01:48 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

	tex Resources Services, Inc. neyer A 1			
Sample ID: MB-66668	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 66668	RunNo: 87045		
Prep Date: 4/6/2022	Analysis Date: 4/6/2022	SeqNo: 3077511	Units: mg/Kg	
Analyte	Result PQL SPK value S	PK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-66668	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 66668	RunNo: 87045		
Prep Date: 4/6/2022	Analysis Date: 4/6/2022	SeqNo: 3077512	Units: mg/Kg	
Analyte	Result PQL SPK value S	PK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 90.9 90	110	

- * 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2203F78

12-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex H	Resources Services, Inc.								
Project: Nymeye	r A 1								
Sample ID: LCS-66507	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 66507	RunNo: 86887							
Prep Date: 3/30/2022	Analysis Date: 3/31/2022	SeqNo: 3069715 Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ual						
Diesel Range Organics (DRO)	45 10 50.00	0 90.1 68.9 135							
Surr: DNOP	3.8 5.000	75.1 51.1 141							
Sample ID: MB-66507	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 66507	RunNo: 86887							
Prep Date: 3/30/2022	Analysis Date: 3/31/2022	SeqNo: 3069718 Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ıal						
Diesel Range Organics (DRO)	ND 10								
Motor Oil Range Organics (MRO)	ND 50								
Surr: DNOP	8.9 10.00	88.8 51.1 141							
Sample ID: MB-66524	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 66524	RunNo: 86902							
Prep Date: 3/31/2022	Analysis Date: 4/1/2022	SeqNo: 3071848 Units: %Rec							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ıal						
Surr: DNOP	9.8 10.00	98.5 51.1 141							
Sample ID: LCS-66524	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 66524	RunNo: 86902							
Prep Date: 3/31/2022	Analysis Date: 4/1/2022	SeqNo: 3071850 Units: %Rec							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	ial						
Surr: DNOP	4.5 5.000	89.8 51.1 141							

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2203F78

12-Apr-22

ertex Resources ymeyer A 1	Services,	, Inc.									
Samp	Type: LC	S	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e			
LCSS Batch ID: 66501			F	RunNo: 86898							
Prep Date: 3/30/2022 Analysis Date:		3/31/2022 S		SeqNo: 3070030		Units: mg/Kg					
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
iRO) 27	5.0	25.00	0	107	72.3	137					
2100		1000		212	37.7	212					
Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e			
Bate	ch ID: 66	501	F	RunNo: 8	6898						
2 Analysis	Date: 3/	31/2022	5	SeqNo: 3	070031	Units: mg/ #	ζg				
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
RO) ND	5.0										
970		1000		97.1	37.7	212					
	ymeyer A 1 Samp Bata 2 Analysis Result RO) 27 2100 Samp Bata 2 Analysis Result RO) ND	ymeyer A 1 SampType: LC Batch ID: 66 Analysis Date: 3/ Result PQL RO) 27 5.0 2100 SampType: ME Batch ID: 66 Analysis Date: 3/ Result PQL RO) ND 5.0	SampType: LCS Batch ID: 66501 Analysis Date: 3/31/2022 Result PQL SPK value RO) 27 5.0 25.00 2100 1000 SampType: MBLK Batch ID: 66501 Analysis Date: 3/31/2022 Result PQL SPK value RO) ND 5.0	ymeyer A 1 SampType: LCS Tes Batch ID: 66501 F Analysis Date: 3/31/2022 S Result PQL SPK value SPK Ref Val R0) 27 5.0 25.00 0 2100 1000 1000 1000 SampType: MBLK Tes Batch ID: 66501 F Analysis Date: 3/31/2022 S Result PQL SPK value SPK Ref Val R0) ND 5.0 S	ymeyer A 1 SampType: LCS TestCode: Eff Batch ID: 66501 RunNo: 80 Analysis Date: 3/31/2022 SeqNo: 30 Result PQL SPK value SPK Ref Val %REC RO) 27 5.0 25.00 0 107 2100 1000 212 SampType: MBLK TestCode: Eff Batch ID: 66501 RunNo: 80 Analysis Date: 3/31/2022 SeqNo: 30 Result PQL SPK value SPK Ref Val %REC RO) ND 5.0	ymeyer A 1 SampType: LCS TestCode: EPA Method Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070030 Result PQL SPK value SPK Ref Val %REC LowLimit R0) 27 5.0 25.00 0 107 72.3 2100 1000 212 37.7 SampType: MBLK TestCode: EPA Method Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Result PQL SPK value SPK Ref Val %REC LowLimit Result PQL SPK value SPK Ref Val %REC LowLimit Result PQL SPK value SPK Ref Val %REC LowLimit Result PQL SPK value <td <="" colspan="2" td=""><td>ymeyer A 1 SampType: LCS TestCode: EPA Method 8015D: Gasc Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070030 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit R0) 27 5.0 25.00 0 107 72.3 137 2100 1000 212 37.7 212 SampType: MBLK TestCode: EPA Method 8015D: Gasc Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit R0 ND 5.0 SPK value SPK Ref Val %REC LowLimit HighLimit</td><td>ymeyer A 1 SampType: LCS TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 66501 Batch ID: 66501 RunNo: 86898 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD R0) 27 5.0 25.00 0 107 72.3 137 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Ro) ND 5.0</td><td>ymeyer A 1 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070030 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit R0) 27 5.0 25.00 0 107 72.3 137 2100 1000 212 37.7 212 212 212 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Batch ID: 66501 RunNo: 86898 2 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg 3 R0 ND 5.0 SeqNo: 3070031 Units: Mg/Limit</td></td>	<td>ymeyer A 1 SampType: LCS TestCode: EPA Method 8015D: Gasc Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070030 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit R0) 27 5.0 25.00 0 107 72.3 137 2100 1000 212 37.7 212 SampType: MBLK TestCode: EPA Method 8015D: Gasc Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit R0 ND 5.0 SPK value SPK Ref Val %REC LowLimit HighLimit</td> <td>ymeyer A 1 SampType: LCS TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 66501 Batch ID: 66501 RunNo: 86898 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD R0) 27 5.0 25.00 0 107 72.3 137 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Ro) ND 5.0</td> <td>ymeyer A 1 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070030 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit R0) 27 5.0 25.00 0 107 72.3 137 2100 1000 212 37.7 212 212 212 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Batch ID: 66501 RunNo: 86898 2 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg 3 R0 ND 5.0 SeqNo: 3070031 Units: Mg/Limit</td>		ymeyer A 1 SampType: LCS TestCode: EPA Method 8015D: Gasc Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070030 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit R0) 27 5.0 25.00 0 107 72.3 137 2100 1000 212 37.7 212 SampType: MBLK TestCode: EPA Method 8015D: Gasc Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/k Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit R0 ND 5.0 SPK value SPK Ref Val %REC LowLimit HighLimit	ymeyer A 1 SampType: LCS TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 66501 Batch ID: 66501 RunNo: 86898 Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD R0) 27 5.0 25.00 0 107 72.3 137 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Rang Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Ro) ND 5.0	ymeyer A 1 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Batch ID: 66501 RunNo: 86898 Analysis Date: 3/31/2022 SeqNo: 3070030 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit R0) 27 5.0 25.00 0 107 72.3 137 2100 1000 212 37.7 212 212 212 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Batch ID: 66501 RunNo: 86898 2 Analysis Date: 3/31/2022 SeqNo: 3070031 Units: mg/Kg 3 R0 ND 5.0 SeqNo: 3070031 Units: Mg/Limit

- * 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

2203F78

12-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	tex Resources S neyer A 1	Services,	Inc.							
Sample ID: LCS-66501	Samp	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS Batch ID: 66501			F							
Prep Date: 3/30/2022	Analysis I	Date: 3/	31/2022	SeqNo: 3070054 U			Units: mg/K	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.4	80	120			
Toluene	0.90	0.050	1.000	0	90.4	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.1	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			
Sample ID: mb-66501	Samp	Туре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Bato	h ID: 66	501	F	RunNo: 8	6898				
Prep Date: 3/30/2022	Analysis I	Date: 3/ 3	31/2022	S	SeqNo: 3	070055	Units: mg/K	٤g		
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		97.0	70	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2203F78

12-Apr-22

HALL ENVIRONMENTAL ANALYSIS LABORATORY		Hall Environm TEL: 505-345- Website: clier	491 Albuquero 3975 FAX:	01 Hawkin jue, NM 8 505-345	s NE 7109 S 4107	Sample Log-In Check List			
Client Name:	Vertex Resources Services, Inc.	Work Order Number: 2203F78				RcptNo: 1			
Received By:	Juan Rojas	3/30/2022 9:15:00	AM		Alan	Ð			
Completed By:	Sean Livingston	3/30/2022 10:44:1	8 AM		5-	_L	not		
Reviewed By:	TO	3/30/22					0-		
Chain of Cus	stody								
1. Is Chain of C	ustody complete?		Yes	V	No		Not Present		
2. How was the	sample delivered?		Cou	rier					
Log In									
3. Was an atten	npt made to cool the sam	ples?	Yes	\checkmark	No		NA 🗌		
4. Were all sam	ples received at a temper	ature of >0° C to 6.0°C	Yes		No				
5. Sample(s) in	proper container(s)?		Yes		No				
6. Sufficient sam	ple volume for indicated	test(s)?	Yes		No [
7. Are samples (roperly preserved?	Yes		No [
8. Was preserva	tive added to bottles?		Yes		No [~	NA 🗌		
9. Received at le	east 1 vial with headspace	<1/4" for AQ VOA?	Yes		No [NA 🗹		
10. Were any sar	nple containers received	broken?	Yes		No		# of preserved bottles checked		
	ork match bottle labels? ancies on chain of custod	y)	Yes		No [for pH: (<2 or >12 unless noted)		
12. Are matrices of	correctly identified on Cha	in of Custody?	Yes	~	No [Adjusted?		
	t analyses were requeste	d?	Yes	V	No [
	ng times able to be met? ustomer for authorization.)	Yes		No [Checked by: The 3/30/2		
Special Handl	ing (if applicable)					/			
15. Was client no	tified of all discrepancies	with this order?	Yes		No		NA 🗹		
Person	Notified:	Date							
By Who		Via:	🗌 eMa	ail 🗌 Pl	none 🗌	Fax	🗌 In Person		
Regardi Client Ir	ng: hstructions:								
16. Additional ren	marks:								
17. <u>Cooler Infor</u> Cooler No	mation Temp ºC Condition	Seal Intact Seal No	Seal D	ate	Signed B	у			

Page 1 of 1
ENTAL BATORY				023		7:40 AM													<u> </u>	i ge I	<u>81-of</u>
HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.hallenvironmental.com	E - Albuquerque, NM 87109	10	Anal	¢C	PO₄, S(the second		1 '	۸۵ ۵۳	3r, N (AO) iməð	s) 0228	3	>						ance Dixon		
	· · · · · · · · · · · · · · · · · · ·	4901 Hawkins NE	Tel. 505-345-3975			SIWS 601 WK 0 1 WK 18051	л DR 082 (1,	0% 8/8 504	30 Sebi	oy 83 Methc 093)8:H9T 9 r808 0) 803 1 2HA9	3	/						Kemarks: CC : Chance		
Turn-Around Time: ちょひay どStandard ロ Rush		2r A#1		2196		Subillin		La Yes DNo	1	7.8-0-3 22.5- (°C)	Preservative HEAL No.		TCC					Vis: Doto	an 3halas inc	a: Date T	1900 CUCULT (CULTON 3/30/2 9:15
Turn-Around Br Standard	Project Name:	Nymeyer	Project #:	225-00196	Project Manager:		Sampler: C	On Ice:	# of Coolers:	Cooler Temp(Including CF):	Container Type and #		206					Received hv.	MILLIN	Received by: Nik	12/
Chain-of-Custody Record		576				Level 4 (Full Validation)	Az Compliance				Sample Name		AESCCOL C					d bv:		ed by:	(the
in-of-Cu		ess: ON FILL			#:	ige:		□ Other	e)		e Matrix	1.02 00	_					Relinquished by:		Relinquished by:	ciera
Client:		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	D NELAC	DEDD (Type)		Date Time	00:11 212						Date: Time:		Date: Time:	3

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-01 4' **Project:** Nymeyer A 1 Collection Date: 3/29/2022 11:00:00 AM Lab ID: 2203G96-001 Matrix: SOIL Received Date: 3/31/2022 9:05:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.8 mg/Kg 1 4/6/2022 8:25:10 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 4/6/2022 8:25:10 PM 51.1-141 Surr: DNOP 80.6 %Rec 1 4/6/2022 8:25:10 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/5/2022 12:58:00 PM 4.9 mg/Kg 1 Surr: BFB 93.5 37.7-212 %Rec 1 4/5/2022 12:58:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.025 mg/Kg 4/5/2022 12:58:00 PM 1 Toluene ND 0.049 mg/Kg 1 4/5/2022 12:58:00 PM Ethylbenzene ND 0.049 mg/Kg 1 4/5/2022 12:58:00 PM Xylenes, Total ND 0.098 mg/Kg 1 4/5/2022 12:58:00 PM 4/5/2022 12:58:00 PM Surr: 4-Bromofluorobenzene 77.6 70-130 %Rec 1 Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 180 60 4/6/2022 9:42:52 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-02 2' **Project:** Nymeyer A 1 Collection Date: 3/29/2022 11:05:00 AM Lab ID: 2203G96-002 Matrix: SOIL Received Date: 3/31/2022 9:05:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.9 mg/Kg 1 4/7/2022 10:44:05 AM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 4/7/2022 10:44:05 AM Surr: DNOP 80.6 51.1-141 %Rec 1 4/7/2022 10:44:05 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/5/2022 1:18:00 PM 4.7 mg/Kg 1 Surr: BFB 96.4 37.7-212 %Rec 1 4/5/2022 1:18:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM 4/5/2022 1:18:00 PM Benzene ND 0.024 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 4/5/2022 1:18:00 PM Ethylbenzene ND 0.047 mg/Kg 1 4/5/2022 1:18:00 PM Xylenes, Total ND 0.095 mg/Kg 1 4/5/2022 1:18:00 PM 4/5/2022 1:18:00 PM Surr: 4-Bromofluorobenzene 77.6 70-130 %Rec 1 Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 190 60 4/6/2022 9:55:16 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-02 4' **Project:** Nymeyer A 1 Collection Date: 3/29/2022 11:10:00 AM Lab ID: 2203G96-003 Matrix: SOIL Received Date: 3/31/2022 9:05:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.9 mg/Kg 1 4/6/2022 8:57:03 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 4/6/2022 8:57:03 PM Surr: DNOP 70.6 51.1-141 %Rec 1 4/6/2022 8:57:03 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/5/2022 1:38:00 PM 4.6 mg/Kg 1 Surr: BFB 93.4 37.7-212 %Rec 1 4/5/2022 1:38:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 4/5/2022 1:38:00 PM 0.023 mg/Kg 1 Toluene ND 0.046 mg/Kg 1 4/5/2022 1:38:00 PM Ethylbenzene ND 0.046 mg/Kg 1 4/5/2022 1:38:00 PM Xylenes, Total ND 0.092 mg/Kg 1 4/5/2022 1:38:00 PM 4/5/2022 1:38:00 PM Surr: 4-Bromofluorobenzene 78.1 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 180 60 4/6/2022 10:32:29 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-03 2' **Project:** Nymeyer A 1 Collection Date: 3/29/2022 11:15:00 AM Lab ID: 2203G96-004 Matrix: SOIL Received Date: 3/31/2022 9:05:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 10 mg/Kg 1 4/6/2022 9:07:38 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 4/6/2022 9:07:38 PM Surr: DNOP 66.1 51.1-141 %Rec 1 4/6/2022 9:07:38 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/5/2022 2:37:00 PM 4.8 mg/Kg 1 Surr: BFB 97.4 37.7-212 %Rec 1 4/5/2022 2:37:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM 4/5/2022 2:37:00 PM Benzene ND 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 4/5/2022 2:37:00 PM Ethylbenzene ND 0.048 mg/Kg 1 4/5/2022 2:37:00 PM Xylenes, Total ND 0.096 mg/Kg 1 4/5/2022 2:37:00 PM Surr: 4-Bromofluorobenzene 80.4 70-130 %Rec 1 4/5/2022 2:37:00 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 200 60 4/6/2022 10:44:53 PM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-03 4' **Project:** Nymeyer A 1 Collection Date: 3/29/2022 11:20:00 AM Lab ID: 2203G96-005 Matrix: SOIL Received Date: 3/31/2022 9:05:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.3 mg/Kg 1 4/6/2022 9:18:11 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 4/6/2022 9:18:11 PM Surr: DNOP 82.4 51.1-141 %Rec 1 4/6/2022 9:18:11 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/5/2022 2:57:00 PM 4.8 mg/Kg 1 Surr: BFB 97.5 37.7-212 %Rec 1 4/5/2022 2:57:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM 4/5/2022 2:57:00 PM Benzene ND 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 4/5/2022 2:57:00 PM Ethylbenzene ND 0.048 mg/Kg 1 4/5/2022 2:57:00 PM Xylenes, Total ND 0.095 mg/Kg 1 4/5/2022 2:57:00 PM Surr: 4-Bromofluorobenzene 80.1 70-130 %Rec 1 4/5/2022 2:57:00 PM **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 210 60 4/6/2022 11:46:55 PM ma/Ka 20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-01 8' **Project:** Nymeyer A 1 Collection Date: 3/29/2022 11:25:00 AM Lab ID: 2203G96-006 Matrix: SOIL Received Date: 3/31/2022 9:05:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 4/6/2022 9:28:44 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 4/6/2022 9:28:44 PM 51.1-141 Surr: DNOP 75.0 %Rec 1 4/6/2022 9:28:44 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/5/2022 3:17:00 PM 4.9 mg/Kg 1 Surr: BFB 93.0 37.7-212 %Rec 1 4/5/2022 3:17:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM 4/5/2022 3:17:00 PM Benzene ND 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 4/5/2022 3:17:00 PM Ethylbenzene ND 0.049 mg/Kg 1 4/5/2022 3:17:00 PM Xylenes, Total ND 0.099 mg/Kg 1 4/5/2022 3:17:00 PM 4/5/2022 3:17:00 PM Surr: 4-Bromofluorobenzene 75.7 70-130 %Rec 1 Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 200 60 4/6/2022 11:59:20 PM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to Matrix

D Sample Diluted Due to MatrixH Holding times for preparation or analysis exceeded

- ND Not Detected at the Reporting Limit
- NDNot Detected at the Reporting LimitPQLPractical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-02 8' **Project:** Nymeyer A 1 Collection Date: 3/29/2022 11:30:00 AM Lab ID: 2203G96-007 Matrix: SOIL Received Date: 3/31/2022 9:05:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 4/6/2022 9:39:16 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 4/6/2022 9:39:16 PM 51.1-141 Surr: DNOP 77.8 %Rec 1 4/6/2022 9:39:16 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/5/2022 3:36:00 PM 4.6 mg/Kg 1 Surr: BFB 94.1 37.7-212 %Rec 1 4/5/2022 3:36:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.023 mg/Kg 4/5/2022 3:36:00 PM 1 Toluene ND 0.046 mg/Kg 1 4/5/2022 3:36:00 PM Ethylbenzene ND 0.046 mg/Kg 1 4/5/2022 3:36:00 PM Xylenes, Total ND 0.092 mg/Kg 1 4/5/2022 3:36:00 PM 4/5/2022 3:36:00 PM Surr: 4-Bromofluorobenzene 77.9 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 180 60 4/7/2022 12:11:44 AM ma/Ka 20

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

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 range due to dilution or matrix interference

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 0



April 12, 2022

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

OrderNo.: 2204031

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Nymeyer A 1

Dear Dennis Williams:

Hall Environmental Analysis Laboratory received 3 sample(s) on 4/1/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project:

CLIENT: Vertex Resources Services, Inc.

Nymeyer A 1

Analytical Report Lab Order 2204031

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 4/12/2022 Client Sample ID: WES22-04 1' Collection Date: 3/30/2022 2:00:00 PM

Lab ID: 2204031-001 Matrix: SOIL Received Date: 4/1/2022 9:50:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 9.6 mg/Kg 1 4/5/2022 5:39:53 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 4/5/2022 5:39:53 PM Surr: DNOP 80.5 51.1-141 %Rec 1 4/5/2022 5:39:53 PM **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride ND 4/8/2022 12:33:06 AM 60 mg/Kg 20 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: JR Benzene ND 0.023 mg/Kg 4/6/2022 1:30:14 AM 1 Toluene ND 0.046 mg/Kg 4/6/2022 1:30:14 AM 1 Ethvlbenzene ND 0.046 mg/Kg 1 4/6/2022 1:30:14 AM Xylenes, Total ND 0.092 mg/Kg 1 4/6/2022 1:30:14 AM Surr: 1.2-Dichloroethane-d4 104 70-130 %Rec 1 4/6/2022 1:30:14 AM Surr: 4-Bromofluorobenzene 95.6 70-130 %Rec 1 4/6/2022 1:30:14 AM Surr: Dibromofluoromethane 105 70-130 %Rec 1 4/6/2022 1:30:14 AM Surr: Toluene-d8 99.0 70-130 %Rec 1 4/6/2022 1:30:14 AM **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: JR Gasoline Range Organics (GRO) ND 4/6/2022 1:30:14 AM 4.6 mg/Kg 1 Surr: BFB 105 70-130 %Rec 1 4/6/2022 1:30:14 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 7

Project: Nymeyer A 1

CLIENT: Vertex Resources Services, Inc.

Analytical Report Lab Order 2204031

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-03 2' Collection Date: 3/30/2022 2:05:00 PM Received Date: 4/1/2022 9:50:00 AM

Lab ID: 2204031-002	Matrix: SOIL	Rece	ived Date:	4/1/20	22 9:50:00 AM
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/5/2022 6:04:22 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/5/2022 6:04:22 PM
Surr: DNOP	70.0	51.1-141	%Rec	1	4/5/2022 6:04:22 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	580	60	mg/Kg	20	4/8/2022 12:45:27 AM
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst: JR
Benzene	ND	0.025	mg/Kg	1	4/6/2022 1:58:46 AM
Toluene	ND	0.049	mg/Kg	1	4/6/2022 1:58:46 AM
Ethylbenzene	ND	0.049	mg/Kg	1	4/6/2022 1:58:46 AM
Xylenes, Total	ND	0.098	mg/Kg	1	4/6/2022 1:58:46 AM
Surr: 1,2-Dichloroethane-d4	109	70-130	%Rec	1	4/6/2022 1:58:46 AM
Surr: 4-Bromofluorobenzene	95.3	70-130	%Rec	1	4/6/2022 1:58:46 AM
Surr: Dibromofluoromethane	112	70-130	%Rec	1	4/6/2022 1:58:46 AM
Surr: Toluene-d8	97.8	70-130	%Rec	1	4/6/2022 1:58:46 AM
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst: JR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/6/2022 1:58:46 AM
Surr: BFB	101	70-130	%Rec	1	4/6/2022 1:58:46 AM

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

Project:

CLIENT: Vertex Resources Services, Inc.

Nymeyer A 1

Analytical Report Lab Order 2204031

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-04 2' Collection Date: 3/30/2022 2:10:00 PM Received Date: 4/1/2022 9:50:00 AM

Lab ID: 2204031-003	Matrix: SOIL	Recei	ved Date:	4/1/20	22 9:50:00 AM
Analyses	Result	PQL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RA	NGE ORGANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/5/2022 6:29:09 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/5/2022 6:29:09 PM
Surr: DNOP	72.1	51.1-141	%Rec	1	4/5/2022 6:29:09 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	440	60	mg/Kg	20	4/8/2022 12:57:47 AM
EPA METHOD 8260B: VOLATILES S	HORT LIST				Analyst: JR
Benzene	ND	0.024	mg/Kg	1	4/6/2022 2:27:24 AM
Toluene	ND	0.049	mg/Kg	1	4/6/2022 2:27:24 AM
Ethylbenzene	ND	0.049	mg/Kg	1	4/6/2022 2:27:24 AM
Xylenes, Total	ND	0.097	mg/Kg	1	4/6/2022 2:27:24 AM
Surr: 1,2-Dichloroethane-d4	107	70-130	%Rec	1	4/6/2022 2:27:24 AM
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	4/6/2022 2:27:24 AM
Surr: Dibromofluoromethane	108	70-130	%Rec	1	4/6/2022 2:27:24 AM
Surr: Toluene-d8	96.2	70-130	%Rec	1	4/6/2022 2:27:24 AM
EPA METHOD 8015D MOD: GASOLI	NE RANGE				Analyst: JR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/6/2022 2:27:24 AM
Surr: BFB	101	70-130	%Rec	1	4/6/2022 2:27:24 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 7

	tex Resources Services, Inc. neyer A 1			
Sample ID: MB-66705	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID: PBS	Batch ID: 66705	RunNo: 87092		
Prep Date: 4/7/2022	Analysis Date: 4/7/2022	SeqNo: 3078859	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-66705	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 66705	RunNo: 87092		
Prep Date: 4/7/2022	Analysis Date: 4/7/2022	SeqNo: 3078860	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 7

2204031

12-Apr-22

Client: Vertex Project: Nymey	Resources S er A 1	Services	, Inc.							
Sample ID: LCS-66611	•	Гуре: LC					8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batc	h ID: 66	611	F	RunNo: 8	7027				
Prep Date: 4/4/2022	Analysis [Date: 4/	5/2022	S	SeqNo: 3	075308	Units: mg/k	ζg		
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	68.9	135			
Surr: DNOP	5.1		5.000		102	51.1	141			
Sample ID: MB-66611	Samp	Гуре: М	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batc	h ID: 66	611	F	RunNo: 8	7027				
Prep Date: 4/4/2022	Analysis [Date: 4/	5/2022	S	SeqNo: 3	075310	Units: mg/#	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte	Result	IQL					0			
Diesel Range Organics (DRO)	ND	10	or revalue							
,							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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 7

2204031

12-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex	Resources S	ervices,	, Inc.							
Project: Nymey	ver A 1									
Sample ID: Ics-66586	SampT	ype: LC	S	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	List	
Client ID: LCSS	Batcl	h ID: 66	586	F	RunNo: 8	6972				
Prep Date: 4/1/2022	Analysis D	Date: 4/	4/2022	S	SeqNo: 3	078655	Units: mg/#	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.7	70	130			
Toluene	0.97	0.050	1.000	0	96.6	70	130			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		96.0	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.5	70	130			
Surr: Dibromofluoromethane	0.46		0.5000		92.0	70	130			
Surr: Toluene-d8	0.51		0.5000		103	70	130			
Sample ID: mb-66586	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8260B: Volat	tiles Short	t List	
Client ID: PBS	Batcl	h ID: 66	586	F	RunNo: 8	6972				
Prep Date: 4/1/2022	Analysis D	Date: 4/	4/2022	S	SeqNo: 3	078657	Units: mg/k	٤g		
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: 1,2-Dichloroethane-d4	0.48		0.5000		95.5	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.2	70	130			
Surr: Dibromofluoromethane	0.48		0.5000		95.7	70	130			
Surr: Toluene-d8	0.51		0.5000		101	70	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 7

2204031

12-Apr-22

	ertex Resources S meyer A 1	Services,	Inc.							
Sample ID: Ics-66586	PA Method	8015D Mod:	Gasoline	Range						
Client ID: LCSS	Bato	h ID: 66	586	F	RunNo: 8	6972				
Prep Date: 4/1/2022 Analysis Date: 4/4/2022 SeqNo: 3073267							Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) 28	5.0	25.00	0	110	70	130			
Surr: BFB	510		500.0		102	70	130			
Sample ID: mb-66586	Samp	Туре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D Mod:	Gasoline	Range	
Client ID: PBS	Bato	h ID: 66	586	F	RunNo: 8	6972				
Prep Date: 4/1/2022	Analysis	Date: 4/	4/2022	S	SeqNo: 3	073268	Units: mg/k	٢g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (G	RO) ND	5.0								
Surr: BFB	510		500.0		102	70	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 7

2204031

12-Apr-22

ENVIR ANAL	<i>13/2023 8:27:40 AM</i> Ronmental Ysis Ratory	Hall Environmen TEL: 505-345-3 Website: www	49 Albuquei 975 FAX	01 Hawkin que. NM 8 2 505-345-	ns NE 7109 4107	Sa	Page 197 mple Log-In Check List
Client Name:	Vertex Resources Services, Inc.	Work Order Num	oer: 220	04031			RcptNo: 1
Received By:	Tracy Casarrubias	4/1/2022 9:50:00 A	м				
Completed By:	Cheyenne Cason	4/1/2022 10:32:34 /	M		Chen	1	
Reviewed By:	TO	4/1/22					
Chain of Cus	<u>tody</u>						
1. Is Chain of Cr	ustody complete?		Yes		No		Not Present
2. How was the	sample delivered?		Cou	ırier			
Log In							
 vvas an attem 	pt made to cool the sam	ples?	Yes	~	No		
4. Were all samp	ples received at a temper	ature of >0° C to 6.0°C	Yes	~	No		
5. Sample(s) in p	proper container(s)?		Yes	~	No		
6. Sufficient sam	ple volume for indicated	test(s)?	Yes	~	No		
7. Are samples (e	except VOA and ONG) p	roperly preserved?	Yes	~	No		
8. Was preservat	tive added to bottles?		Yes		No	~	NA 🗌
9. Received at lea	ast 1 vial with headspace	<1/4" for AQ VOA?	Yes		No		NA 🗹
10. Were any sam	ple containers received	broken?	Yes		No	•	# of preserved
11. Does paperwo	rk match bottle labels?		Yes	V	No		bottles checked for pH:
	ncies on chain of custod				110	_	(<2 or >12 unless noted)
	orrectly identified on Cha	A CONTRACT OF	Yes	\checkmark	No		Adjusted?
	analyses were requested	4?	Yes		No		101 1112
14. Were all holdin (If no, notify cu	g times able to be met? stomer for authorization.)	Yes		No		Checked by: KPU 9/1/2
Special Handli	ng (if applicable)						
15. Was client not	ified of all discrepancies	with this order?	Yes		No		NA 🗹
Person N	Notified:	Date:				-	
By Whor	n:	Via:	eMa	ail 🗌 Ph	none 🗌	Fax	In Person
Regardir	ng:						
Client Ins	structions:						
16. Additional rem	harks:						
17. <u>Cooler Inform</u> Cooler No	nation Temp ºC Condition	Seal Intact Seal No	Seal Da	to (Signed I	-	

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Page 1 of 1

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			Project Name											
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	-		Project #:			-	Tal 5	05.34	Tel 505-345-3075		Adding the	245 4407		13/2
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email or Fax#:			Project Manager:	ager:			((-	*⊂		(1		8:2
QA/QC Package:		Level 4 (Full Validation)	Den	Dennis willing	Scut, 11	1208) s	PCB's O / MRC		SMIS	PO₄, SC		nəsdA\t		7:40 AM
Accreditation:		□ A ^I z Compliance □ Other	Sampler: C	C. Hance DI	Dixon					' ^z ON	(\	nəsər		[
🗆 EDD (Type)	1		18	-					_	^{'8} O	0/0/	յ ա		
			Cooler Temp(including CF):	(including CF): 3	8-01-3.7 (°C)					-		olifori		
Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	X TEX	8081 P	EDB (V	PAHs I		s) 0228	O leto		
00:2	0 SOUT	NESZZ-OU 1'	2017	TCE	Croit Croit	-		· · · · · · · · · · · · · · · · · · ·	14	-		L		1
50:2	-	855 25-03 2'	-		002	-				-	-			-
2:10	/ 0	BES22-04 2'		/	603						-			-
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Time:	Relinquished by:		Received by:	Via:	Date Time	Remarks:	1.00	00:	Chancl		Dixon			Pa
Time: [<i>Q_{IV}</i>)	Relinquished by:	. (Received by:	Via: ce	- c								A	ge 198 o

Released to Imaging: 11/6/2023 2:06:02 PM



April 12, 2022

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

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Nymeyer A 1

OrderNo.: 2204120

Dear Dennis Williams:

Hall Environmental Analysis Laboratory received 4 sample(s) on 4/5/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project:

Lab ID:

Analyses

Analytical Report Lab Order 2204120

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-05 1' Nymeyer A 1 Collection Date: 3/31/2022 2:00:00 PM 2204120-001 Matrix: SOIL Received Date: 4/5/2022 8:00:00 AM Result **PQL Qual Units** DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB **Diesel Range Organics (DRO)** 4/7/2022 5:59:11 PM ND 9.8 mg/Kg 1 Motor Oil Range Organics (MRO) ND 4/7/2022 5:59:11 PM 49 mg/Kg 1 Surr: DNOP 51.1-141 82.9 %Rec 1 4/7/2022 5:59:11 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/6/2022 10:34:00 PM 4.8 mg/Kg 1 Surr: BFB 102 4/6/2022 10:34:00 PM 37.7-212 %Rec 1 N

EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	4/6/2022 10:34:00 PM
Toluene	ND	0.048	mg/Kg	1	4/6/2022 10:34:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	4/6/2022 10:34:00 PM
Xylenes, Total	ND	0.095	mg/Kg	1	4/6/2022 10:34:00 PM
Surr: 4-Bromofluorobenzene	85.5	70-130	%Rec	1	4/6/2022 10:34:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	170	60	mg/Kg	20	4/9/2022 12:37:04 AM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 11

Project: Nymeyer A 1

CLIENT: Vertex Resources Services, Inc.

Analytical Report Lab Order 2204120

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-06 1' Collection Date: 3/31/2022 2:05:00 PM Received Date: 4/5/2022 8:00:00 AM

Lab ID: 2204120-002	Matrix: SOIL	Rec	eived Date:	4/5/20	22 8:00:00 AM
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	11	9.7	mg/Kg	1	4/7/2022 6:10:09 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/7/2022 6:10:09 PM
Surr: DNOP	82.6	51.1-141	%Rec	1	4/7/2022 6:10:09 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/6/2022 10:54:00 PM
Surr: BFB	98.7	37.7-212	%Rec	1	4/6/2022 10:54:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	4/6/2022 10:54:00 PM
Toluene	ND	0.049	mg/Kg	1	4/6/2022 10:54:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	4/6/2022 10:54:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	4/6/2022 10:54:00 PM
Surr: 4-Bromofluorobenzene	82.8	70-130	%Rec	1	4/6/2022 10:54:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	160	60	mg/Kg	20	4/9/2022 12:49:24 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 11

Analytical Report
Lab Order 2204120

Date Reported: 4/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-05 2' **Project:** Nymeyer A 1 Collection Date: 3/31/2022 2:10:00 PM Lab ID: 2204120-003 Matrix: SOIL Received Date: 4/5/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 10 mg/Kg 1 4/7/2022 10:28:35 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 4/7/2022 10:28:35 PM 51.1-141 Surr: DNOP 74.5 %Rec 1 4/7/2022 10:28:35 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/7/2022 12:13:00 AM 4.8 mg/Kg 1 Surr: BFB 103 37.7-212 %Rec 1 4/7/2022 12:13:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 4/7/2022 12:13:00 AM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 4/7/2022 12:13:00 AM Ethylbenzene ND 0.048 mg/Kg 1 4/7/2022 12:13:00 AM Xylenes, Total ND 0.096 mg/Kg 1 4/7/2022 12:13:00 AM 4/7/2022 12:13:00 AM Surr: 4-Bromofluorobenzene 87.1 70-130 %Rec 1 Analyst: CAS **EPA METHOD 300.0: ANIONS** Chloride 150 60 4/9/2022 1:01:44 AM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 11

Project:

Lab ID:

Analyses

Surr: DNOP

Surr: BFB

Benzene

Toluene

Chloride

Ethylbenzene

Xylenes, Total

EPA METHOD 8021B: VOLATILES

Surr: 4-Bromofluorobenzene

EPA METHOD 300.0: ANIONS

Analytical Report Lab Order 2204120

Date Reported: 4/12/2022

4/7/2022 1:52:00 AM

4/7/2022 1:52:00 AM

4/7/2022 1:52:00 AM

4/7/2022 1:52:00 AM

4/7/2022 1:52:00 AM 4/7/2022 1:52:00 AM

4/9/2022 1:14:06 AM

Analyst: BRM

Analyst: CAS

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-07 1' Nymeyer A 1 Collection Date: 3/31/2022 3:00:00 PM 2204120-004 Matrix: SOIL Received Date: 4/5/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 4/7/2022 10:39:13 PM 11 9.6 mg/Kg 1 Motor Oil Range Organics (MRO) ND 4/7/2022 10:39:13 PM 48 mg/Kg 1 51.1-141 85.4 %Rec 1 4/7/2022 10:39:13 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/7/2022 1:52:00 AM 4.8 mg/Kg 1

37.7-212

0.024

0.048

0.048

0.097

70-130

61

%Rec

mg/Kg

mg/Kg

mg/Kg

mg/Kg

%Rec

ma/Ka

1

1

1

1

1

1

20

103

ND

ND

ND

ND

86.6

190

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

Qualifiers:

- Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND
- Not Detected at the Reporting Limit POL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 4 of 11

Released to Imaging: 11/6/2023 2:06:02 PM

	tex Resources Services, Inc. neyer A 1			
Sample ID: MB-66741	SampType: mblk	TestCode: EPA Method	l 300.0: Anions	
Client ID: PBS	Batch ID: 66741	RunNo: 87132		
Prep Date: 4/8/2022	Analysis Date: 4/8/2022	SeqNo: 3080744	Units: mg/Kg	
Analyte	Result PQL SPK value SPK Re	f Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-66741	SampType: Ics	TestCode: EPA Method	l 300.0: Anions	
Client ID: LCSS	Batch ID: 66741	RunNo: 87132		
Prep Date: 4/8/2022	Analysis Date: 4/8/2022	SeqNo: 3080745	Units: mg/Kg	
Analyte	Result PQL SPK value SPK Re	f Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 92.7 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2204120

12-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Vertex Re Nymeyer	esources S A 1	ervices,	, Inc.							
Sample ID:	2204120-003AMS	SampT	ype: M \$	6	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	BES22-05 2'	Batch	ID: 66	672	F	RunNo: 8	7064				
Prep Date:	4/6/2022	Analysis D	ate: 4/	7/2022	S	SeqNo: 3	078597	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	48	10	50.05	6.483	82.8	36.1	154			
Surr: DNOP		4.4		5.005		87.4	51.1	141			
Sample ID:	2204120-003AMSE) SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	BES22-05 2'	Batch	ID: 66	672	F	RunNo: 8	7064				
Prep Date:	4/6/2022	Analysis D	ate: 4/	8/2022	S	SeqNo: 3	078598	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	42	10	50.25	6.483	71.3	36.1	154	12.5	33.9	
Surr: DNOP		3.7		5.025		73.3	51.1	141	0	0	
Sample ID:	LCS-66671	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 66	671	F	RunNo: 8	7064				
Prep Date:	4/6/2022	Analysis D	ate: 4/	7/2022	S	SeqNo: 3	078635	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	48	10	50.00	0	96.8	68.9	135			
Surr: DNOP		5.0		5.000		100	51.1	141			
Sample ID:	LCS-66672	SampT	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	LCSS	Batch	ID: 66	672	F	RunNo: 8	7064				
Prep Date:	4/6/2022	Analysis D	ate: 4/	7/2022	S	SeqNo: 3	078636	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	46	10	50.00	0	91.5	68.9	135			
Surr: DNOP		4.3		5.000		86.4	51.1	141			
Sample ID:	MB-66671	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	PBS	Batch	D: 66	671	F	RunNo: 8	7064				
Prep Date:	4/6/2022	Analysis D	ate: 4/	7/2022	S	SeqNo: 3	078638	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range C	Organics (DRO)	ND	10					-			
Motor Oil Rang	e Organics (MRO)	ND	50								
Surr: DNOP		8.5		10.00		84.6	51.1	141			

Qualifiers:

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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 11

2204120

12-Apr-22

	ertex Resource ymeyer A 1	s Services	, Inc.							
Sample ID: MB-66672	Sar	mpType: M	BLK	Test	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	В	atch ID: 66	672	R	unNo: 87	7064				
Prep Date: 4/6/2022	Analys	is Date: 4	/7/2022	S	eqNo: 3	078639	Units: mg/#	(g		
Analyte	Resu	lt PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO	D) NI	D 10								
Motor Oil Range Organics (N	IRO) NI	D 50								
Surr: DNOP	8.	5	10.00		85.1	51.1	141			

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
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- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2204120

12-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex Re Project: Nymeyer	esources Services, A 1	Inc.							
Sample ID: Ics-66633	SampType: LC	S	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 666	633	F	RunNo: 8 7	7055				
Prep Date: 4/5/2022	Analysis Date: 4/	6/2022	S	SeqNo: 30	076666	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	29 5.0 2200	25.00 1000	0	115 224	72.3 37.7	137 212			S
Sample ID: mb-66633	SampType: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 666	633	F	RunNo: 87	7055				
Prep Date: 4/5/2022	Analysis Date: 4/	6/2022	S	SeqNo: 30	076667	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 930	1000		92.9	37.7	212			
Sample ID: Ics-66646	SampType: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: LCSS	Batch ID: 660	646	F	RunNo: 87	7055				
Prep Date: 4/5/2022	Analysis Date: 4/	6/2022	S	SeqNo: 30	076701	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28 5.0	25.00	0	111	72.3	137			
Surr: BFB	2300	1000		229	37.7	212			S
Sample ID: mb-66646	SampType: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: PBS	Batch ID: 660	646	F	RunNo: 87	7055				
Prep Date: 4/5/2022	Analysis Date: 4/	6/2022	S	SeqNo: 30	076702	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0	1000		100	27.7	212			
	1000	1000		102	37.7	212			
Sample ID: 2204120-003ams	SampType: MS	;	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: BES22-05 2'	Batch ID: 660	646	F	RunNo: 87	7055				
Prep Date: 4/5/2022	Analysis Date: 4/	7/2022	5	SeqNo: 30	076704	Units: mg/K	g		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	30 4.8 2400	24.06 962.5	0	127 249	70 37.7	130 212			S
Sample ID: 2204120-003amsd	SampType: MS	D	Tes	tCode: EF	PA Method	8015D: Gaso	line Rang	e	
Client ID: BES22-05 2'	Batch ID: 660	646	F	RunNo: 87	7055				
Prep Date: 4/5/2022	Analysis Date: 4/	7/2022	S	SeqNo: 30	076706	Units: mg/K	g		
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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 11

2204120

12-Apr-22

Client: Project:	Vertex Re Nymeyer	esources Se A 1	ervices	, Inc.							
Sample ID:	2204120-003amsd	SampT	ype: M \$	SD	Tes	tCode: EF	PA Method	8015D: Gasc	line Rang	e	
Client ID:	BES22-05 2'	Batch	ID: 66	646	F	unNo: 87	7055				
Prep Date:	4/5/2022	Analysis D	ate: 4/	7/2022	S	eqNo: 3	076706	Units: mg/K	٤g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range	e Organics (GRO)	29	4.8	23.92	0	121	70	130	4.90	20	
Surr: BFB		2300		956.9		241	37.7	212	0	0	S

Qualifiers:

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- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2204120

12-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex F Project: Nymeye	Resources S er A 1	ervices,	Inc.								
Sample ID: Ics-66633	Samp	Гуре: LC	S	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batc	h ID: 666	633	R	unNo: 87	7055					
Prep Date: 4/5/2022	Analysis E	Date: 4/	6/2022	S	eqNo: 30	076724	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.88	0.025	1.000	0	88.0	80	120				
Toluene	0.90	0.050	1.000	0	90.2	80	120				
Ethylbenzene	0.90	0.050	1.000	0	90.5	80	120				
Xylenes, Total	2.7	0.10	3.000	0	90.5	80	120				
Surr: 4-Bromofluorobenzene	0.82		1.000		81.8	70	130				
Sample ID: mb-66633	SampT	Гуре: МЕ	BLK	Test	tCode: EF	A Method	8021B: Volat	iles			
Client ID: PBS	Batc	h ID: 666	633	R	lunNo: 87	7055					
Prep Date: 4/5/2022	Analysis E	Date: 4/	6/2022	S	eqNo: 30	076725	Units: mg/K	(g			
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	0.80		1.000		79.8	70	130				
Sample ID: Ics-66646	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volat	iles			
Client ID: LCSS	Batc	h ID: 666	646	R	unNo: 87	7055					
Prep Date: 4/5/2022	Analysis E	Date: 4/	6/2022	S	SeqNo: 30	076760	Units: mg/K	(g			
Prep Date: 4/5/2022 Analyte	Analysis I Result	Date: 4/ PQL		SPK Ref Val	eqNo: 3(%REC)76760 LowLimit	Units: mg/K HighLimit	(g %RPD	RPDLimit	Qual	
Analyte			SPK value 1.000		•		_	-	RPDLimit	Qual	
Analyte Benzene	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	-	RPDLimit	Qual	
Analyte Benzene Toluene	Result 0.91	PQL 0.025	SPK value 1.000	SPK Ref Val 0	%REC 91.4	LowLimit 80	HighLimit 120	-	RPDLimit	Qual	
Analyte Benzene Toluene Ethylbenzene	Result 0.91 0.94	PQL 0.025 0.050	SPK value 1.000 1.000	SPK Ref Val 0 0	%REC 91.4 93.7	LowLimit 80 80	HighLimit 120 120	-	RPDLimit	Qual	
Analyte Benzene Toluene Ethylbenzene	Result 0.91 0.94 0.94	PQL 0.025 0.050 0.050	SPK value 1.000 1.000 1.000	SPK Ref Val 0 0 0	%REC 91.4 93.7 93.8	LowLimit 80 80 80	HighLimit 120 120 120	-	RPDLimit	Qual	
Analyte Benzene Toluene Ethylbenzene Xylenes, Total	Result 0.91 0.94 0.94 2.8 0.87	PQL 0.025 0.050 0.050	SPK value 1.000 1.000 3.000 1.000	SPK Ref Val 0 0 0 0	%REC 91.4 93.7 93.8 93.7 86.5	LowLimit 80 80 80 80 70	HighLimit 120 120 120 120	%RPD	RPDLimit	Qual	
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Result 0.91 0.94 0.94 2.8 0.87 SampT	PQL 0.025 0.050 0.050 0.10	SPK value 1.000 1.000 3.000 1.000 8LK	SPK Ref Val 0 0 0 0 Test	%REC 91.4 93.7 93.8 93.7 86.5	LowLimit 80 80 80 80 70 PA Method	HighLimit 120 120 120 120 120 130	%RPD	RPDLimit	Qual	
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-66646	Result 0.91 0.94 0.94 2.8 0.87 SampT	PQL 0.025 0.050 0.10 Type: ME h ID: 66	SPK value 1.000 1.000 3.000 1.000 BLK 646	SPK Ref Val 0 0 0 0 Tesi R	%REC 91.4 93.7 93.8 93.7 86.5	LowLimit 80 80 80 80 70 70 70 70 55	HighLimit 120 120 120 120 120 130	%RPD	RPDLimit	Qual	
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-66646 Client ID: PBS	Result 0.91 0.94 0.94 2.8 0.87 SampT Batcl	PQL 0.025 0.050 0.10 Type: ME h ID: 66	SPK value 1.000 1.000 3.000 1.000 3LK 546 6/2022	SPK Ref Val 0 0 0 0 Tesi R	%REC 91.4 93.7 93.8 93.7 86.5 tCode: EF RunNo: 87 SeqNo: 30	LowLimit 80 80 80 80 70 70 70 70 55	HighLimit 120 120 120 120 120 130 8021B: Volat	%RPD	RPDLimit	Qual	
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-666646 Client ID: PBS Prep Date: 4/5/2022	Result 0.91 0.94 0.94 2.8 0.87 SampT Batcl Analysis E	PQL 0.025 0.050 0.10 Type: ME h ID: 666 Date: 4/0	SPK value 1.000 1.000 3.000 1.000 3LK 546 6/2022	SPK Ref Val 0 0 0 0 Tes R S	%REC 91.4 93.7 93.8 93.7 86.5 tCode: EF RunNo: 87 SeqNo: 30	LowLimit 80 80 80 70 PA Method 7055 076761	HighLimit 120 120 120 120 130 8021B: Volat Units: mg/K	%RPD			
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-66646 Client ID: PBS Prep Date: 4/5/2022 Analyte	Result 0.91 0.94 0.94 2.8 0.87 SampT Batcl Analysis I Result	PQL 0.025 0.050 0.10 Fype: ME h ID: 666 Date: 4/0 PQL	SPK value 1.000 1.000 3.000 1.000 3LK 546 6/2022	SPK Ref Val 0 0 0 0 Tes R S	%REC 91.4 93.7 93.8 93.7 86.5 tCode: EF RunNo: 87 SeqNo: 30	LowLimit 80 80 80 70 PA Method 7055 076761	HighLimit 120 120 120 120 130 8021B: Volat Units: mg/K	%RPD			
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-66646 Client ID: PBS Prep Date: 4/5/2022 Analyte Benzene Toluene	Result 0.91 0.94 0.94 2.8 0.87 SampT Batch Analysis D Result ND	PQL 0.025 0.050 0.10 Fype: ME h ID: 666 Date: 4/0 PQL 0.025	SPK value 1.000 1.000 3.000 1.000 3LK 546 6/2022	SPK Ref Val 0 0 0 0 Tes R S	%REC 91.4 93.7 93.8 93.7 86.5 tCode: EF RunNo: 87 SeqNo: 30	LowLimit 80 80 80 70 PA Method 7055 076761	HighLimit 120 120 120 120 130 8021B: Volat Units: mg/K	%RPD			
Analyte Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: mb-66646 Client ID: PBS Prep Date: 4/5/2022 Analyte Benzene	Result 0.91 0.94 0.94 2.8 0.87 SampT Batch Analysis D Result ND ND	PQL 0.025 0.050 0.10 Type: ME h ID: 666 Date: 4/0 PQL 0.025 0.050	SPK value 1.000 1.000 3.000 1.000 3LK 546 6/2022	SPK Ref Val 0 0 0 0 Tes R S	%REC 91.4 93.7 93.8 93.7 86.5 tCode: EF RunNo: 87 SeqNo: 30	LowLimit 80 80 80 70 PA Method 7055 076761	HighLimit 120 120 120 120 130 8021B: Volat Units: mg/K	%RPD			

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2204120

12-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:Vertex FProject:Nymeye	Resources S r A 1	Services,	, Inc.							
Sample ID: 2204120-004ams	Samp	Туре: МS	3	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: WES22-07 1'	Batc	h ID: 66	646	F	RunNo: 8	7055				
Prep Date: 4/5/2022	Analysis [Analysis Date: 4/7/2022 SeqNo: 3076764 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9662	0	96.4	68.8	120			
Toluene	0.96	0.048	0.9662	0	99.6	73.6	124			
Ethylbenzene	0.98	0.048	0.9662	0	102	72.7	129			
Xylenes, Total	2.9	0.097	2.899	0	101	75.7	126			
Surr: 4-Bromofluorobenzene	0.85		0.9662		87.6	70	130			
Sample ID: 2204120-004ams	d Samp	Туре: МS	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: WES22-07 1'	Batc	h ID: 66	646	F	RunNo: 8	7055				
Prep Date: 4/5/2022	Analysis [Date: 4/	7/2022	S	SeqNo: 3	076765	Units: mg/#	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.024	0.9634	0	103	68.8	120	6.49	20	
Toluene	1.0	0.048	0.9634	0	108	73.6	124	7.46	20	
Ethylbenzene	1.1	0.048	0.9634	0	109	72.7	129	7.11	20	
Kylenes, Total	3.2	0.096	2.890	0	109	75.7	126	7.35	20	
Surr: 4-Bromofluorobenzene	0.84		0.9634		86.8	70	130	0	0	

Qualifiers:

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- D Sample Diluted Due to Matrix
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- PQL Practical Quanitative Limit
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- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 11

2204120

12-Apr-22

Page 210 of 271

	ANA	RONMENT LYSIS DRATORY	AL		all Environn. EL: 505-345: Website: wy	49 Albuquer -3975 FAX	01 Haw que. NA : 505-3-	kins NE 1 87109 15-4107	Sample Log-In Check List					
С	lient Name:	Vertex Re Services,		Wor	k Order Nur	mber: 220	04120		RcptNo: 1					
Re	eceived By:	Tracy Ca	sarrubias	4/5/202	22 8:00:00	AM								
Co	ompleted By:	Sean Liv	ingston	4/5/202	22 8:49:55	AM		<	. /	inst				
Re	eviewed By:	Cmc		4/5/	er			-)~L	1 John				
Ch	nain of Cu	<u>stody</u>												
1.	Is Chain of (Custody comp	olete?			Yes		N	•	Not Present				
2.	How was the	e sample deliv	vered?			Cou	urier							
L	og In													
3.	Was an atte	mpt made to	cool the samp	les?		Yes	~	N	•	NA 🗌				
4.	Were all sam	nples received	d at a tempera	ture of >0° C	to 6.0°C	Yes		N	•					
5.	Sample(s) in	proper conta	liner(s)?			Yes	•	N	•					
6. 8	Sufficient sar	mple volume f	for indicated te	est(s)?		Yes		No						
7. /	Are samples	(except VOA	and ONG) pro	operly preserv	ed?	Yes	~	No						
8. 1	Was preserva	ative added to	bottles?			Yes		No		NA 🗌				
9. F	Received at I	east 1 vial wit	h headspace	<1/4" for AQ \	VOA?	Yes		No		NA 🔽				
			ers received b			Yes				# of preserved				
		ork match bo ancies on cha	ttle labels? ain of custody)		Yes	•	No		bottles checked for pH: (<2 or >12 unless_noted)				
			tified on Chai			Yes	V	No		Adjusted?				
3.1	s it clear wha	at analyses we	ere requested	?		Yes		No						
		ing times able customer for a	e to be met? authorization.)			Yes	•	No		Checked by: Jn 4(5/22				
pe	cial Hand	ling (if app	olicable)											
15.1	Was client no	otified of all d	iscrepancies v	vith this order'	7	Yes		No		NA 🗹				
	Person	Notified:			Date	e: [
	By Whe				Via:	eMa	ail 🗌	Phone [Fax	In Person				
	Regard Client I	ling: nstructions:												
16.	Additional re													
7.	Cooler Info	and the second second												
	Cooler No	and a second second second	Condition	Seal Intact	Seal No	Seal D	ate	Signed	Ву					
	1 2	4.6 5.6	Good											
	-	5.0	Good											

Page 1 of 1

IF IN	ate:	CD: 6	923 8:	27:40					-	-	3/31 4	Date T	EDD (Type)	Accreditation:	QA/QC Package:	email or Fax#:	Phone #:		Mailing Address:	Page	212 Client:	of 2
AND Increasing	Time:	lime:						3:00	2:10	2:05	2:00	Time	Type)	C C	ackage: ard	Fax#:			ddress		Le FELX	nain
samples submitted to	Relinquished by:	Relinquished by:						/		-	50,7	Matrix		□ Az Col □ Other	/			1	ON FIL		LX .	-of-Cu
I ADD MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	ed by:	ed by:						NES22-07 1	8552-05 2	WES 22-06 1'	WES22-05 1	Sample Name		Az Compliance Other	Level 4 (Full Validation)				572			Chain-of-Custody Record
brownacted to other a	Received by:	Received by:								-	204	Cooler Temp(Including CF): 4.	# of Coolers: 2	Sampler: C) Dennis	Project Manager:	225-00196	Project #:	Vyme	Project Name:	Standard	Turn-Around
$\left \right $	VIa: Carl	Via:							_	1	TCC	Vincluding CF): 4.6 Preservative Type	2	Chaped Dixon	m's williams	ager:	30196		Nymeyer A#1		d 🕅 Rush_	Turn-Around Time: ちー ひゅり
4/5/22 8:00	=	Value Time						PCO	800	500	00 (HEAL NO. 72204120		ON D	Stat				1			600
		Rem						-		-	<	BTEX MT	BE	/ TME	B's (802	1)				-	1 1	
		Remarks:	_			10				-	7	TPH:8015D				0)		Те	490		100	
		0	-		-	-		1	_	_		8081 Pestic	-		PCB's	4		Tel. 505-345-3975	4901 Hawkins NE			
		C : C	-									EDB (Mether PAHs by 83	-		001140			-345	wkins			
		Cha		-								RCRA 8 Me			0311013			-3975	NE	h ww		
		baroce						1		-	<	CI, F, Br, 1	-		PO ₄ , S	04	Anal		- Al	allen		Π
												8260 (VOA	-				Analysis Request	Fax .	buqu	viron		
		Dixon										8270 (Semi	i-VC	DA)			Req	505-	lerqu		רא מ ביין	
		0			H							Total Colifo	rm	(Prese	nt/Abse	nt)	uest	Fax 505-345-4107	Albuquerque, NM 87109	www.hallenvironmental.com	NALYSTS LABORATORY)
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											2										Č.	



April 14, 2022

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

OrderNo.: 2204119

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Nymeyer A 1

Dear Dennis Williams:

Hall Environmental Analysis Laboratory received 6 sample(s) on 4/5/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Project: Nymeyer A 1

CLIENT: Vertex Resources Services, Inc.

Analytical Report
Lab Order 2204119

Date Reported: 4/14/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-08 3' Collection Date: 4/1/2022 11:00:00 AM Received Date: 4/5/2022 8:00:00 AM

Lab ID: 2204119-001	Matrix: SOIL	Received Date: 4/5/2022 8:00:00 AM						
Analyses	Result	PQL Qua	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB			
Diesel Range Organics (DRO)	170	8.8	mg/Kg	1	4/7/2022 4:42:44 PM			
Motor Oil Range Organics (MRO)	94	44	mg/Kg	1	4/7/2022 4:42:44 PM			
Surr: DNOP	75.8	51.1-141	%Rec	1	4/7/2022 4:42:44 PM			
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM			
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/6/2022 8:35:00 PM			
Surr: BFB	102	37.7-212	%Rec	1	4/6/2022 8:35:00 PM			
EPA METHOD 8021B: VOLATILES					Analyst: BRM			
Benzene	ND	0.024	mg/Kg	1	4/6/2022 8:35:00 PM			
Toluene	ND	0.048	mg/Kg	1	4/6/2022 8:35:00 PM			
Ethylbenzene	ND	0.048	mg/Kg	1	4/6/2022 8:35:00 PM			
Xylenes, Total	ND	0.096	mg/Kg	1	4/6/2022 8:35:00 PM			
Surr: 4-Bromofluorobenzene	82.8	70-130	%Rec	1	4/6/2022 8:35:00 PM			
EPA METHOD 300.0: ANIONS					Analyst: CAS			
Chloride	95	59	mg/Kg	20	4/8/2022 10:33:38 PM			

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

Qualifiers:

Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 10

Analytical Report
Lab Order 2204119

Date Reported: 4/14/2022

4/8/2022 11:10:40 PM

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-08 6' **Project:** Nymeyer A 1 Collection Date: 4/1/2022 11:05:00 AM Lab ID: 2204119-002 Matrix: SOIL Received Date: 4/5/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 78 9.6 mg/Kg 1 4/8/2022 2:02:45 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 4/8/2022 2:02:45 PM Surr: DNOP 83.4 51.1-141 %Rec 1 4/8/2022 2:02:45 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/6/2022 8:55:00 PM 4.8 mg/Kg 1 Surr: BFB 103 37.7-212 %Rec 1 4/6/2022 8:55:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 0.024 mg/Kg 4/6/2022 8:55:00 PM 1 Toluene ND 0.048 mg/Kg 1 4/6/2022 8:55:00 PM Ethylbenzene ND 0.048 mg/Kg 1 4/6/2022 8:55:00 PM Xylenes, Total ND 0.095 mg/Kg 1 4/6/2022 8:55:00 PM 4/6/2022 8:55:00 PM Surr: 4-Bromofluorobenzene 84.7 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: CAS

ND

59

ma/Ka

20

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

Qualifiers:

Chloride

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 10

Project: Nymeyer A 1

CLIENT: Vertex Resources Services, Inc.

Analytical Report
Lab Order 2204119

Date Reported: 4/14/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-09 3' Collection Date: 4/1/2022 11:10:00 AM Received Date: 4/5/2022 8:00:00 AM

Lab ID: 2204119-003	Matrix: SOIL	Rec	22 8:00:00 AM		
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	250	9.3	mg/Kg	1	4/7/2022 5:04:41 PM
Motor Oil Range Organics (MRO)	130	47	mg/Kg	1	4/7/2022 5:04:41 PM
Surr: DNOP	75.4	51.1-141	%Rec	1	4/7/2022 5:04:41 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/6/2022 9:15:00 PM
Surr: BFB	102	37.7-212	%Rec	1	4/6/2022 9:15:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	4/6/2022 9:15:00 PM
Toluene	ND	0.048	mg/Kg	1	4/6/2022 9:15:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	4/6/2022 9:15:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	4/6/2022 9:15:00 PM
Surr: 4-Bromofluorobenzene	84.1	70-130	%Rec	1	4/6/2022 9:15:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	290	60	mg/Kg	20	4/8/2022 11:47:42 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 10
CLIENT: Vertex Resources Services, Inc.

Nymeyer A 1

Analytical Report
Lab Order 2204119

Date Reported: 4/14/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-09 6' Collection Date: 4/1/2022 11:15:00 AM Received Date: 4/5/2022 8:00:00 AM

Lab ID: 2204119-004	Matrix: SOIL	Rece	eived Date:	4/5/20	22 8:00:00 AM
Analyses	Result	PQL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	180	9.5	mg/Kg	1	4/7/2022 5:15:38 PM
Motor Oil Range Organics (MRO)	110	47	mg/Kg	1	4/7/2022 5:15:38 PM
Surr: DNOP	74.6	51.1-141	%Rec	1	4/7/2022 5:15:38 PM
EPA METHOD 8015D: GASOLINE RANGE	E				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/6/2022 9:35:00 PM
Surr: BFB	105	37.7-212	%Rec	1	4/6/2022 9:35:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	4/6/2022 9:35:00 PM
Toluene	ND	0.048	mg/Kg	1	4/6/2022 9:35:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	4/6/2022 9:35:00 PM
Xylenes, Total	ND	0.096	mg/Kg	1	4/6/2022 9:35:00 PM
Surr: 4-Bromofluorobenzene	86.3	70-130	%Rec	1	4/6/2022 9:35:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	320	60	mg/Kg	20	4/9/2022 12:00:02 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 10

Date Reported: 4/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-10 3' **Project:** Nymeyer A 1 Collection Date: 4/1/2022 11:20:00 AM Lab ID: 2204119-005 Matrix: SOIL Received Date: 4/5/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 92 9.4 mg/Kg 1 4/8/2022 2:23:54 PM Motor Oil Range Organics (MRO) 59 47 mg/Kg 1 4/8/2022 2:23:54 PM Surr: DNOP 76.6 51.1-141 %Rec 1 4/8/2022 2:23:54 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/6/2022 9:55:00 PM 4.9 mg/Kg 1 Surr: BFB 101 37.7-212 %Rec 1 4/6/2022 9:55:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 4/6/2022 9:55:00 PM 0.025 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 4/6/2022 9:55:00 PM Ethylbenzene ND 0.049 mg/Kg 1 4/6/2022 9:55:00 PM Xylenes, Total ND 0.099 mg/Kg 1 4/6/2022 9:55:00 PM 4/6/2022 9:55:00 PM Surr: 4-Bromofluorobenzene 83.4 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 350 60 4/9/2022 12:12:23 AM ma/Ka 20

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 10

EPA METHOD 300.0: ANIONS

Chloride

Analytical Report
Lab Order 2204119

Date Reported: 4/14/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-10 6' **Project:** Nymeyer A 1 Collection Date: 4/1/2022 11:25:00 AM Lab ID: 2204119-006 Matrix: SOIL Received Date: 4/5/2022 8:00:00 AM Result **PQL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 110 10 mg/Kg 1 4/7/2022 5:37:29 PM Motor Oil Range Organics (MRO) 80 51 mg/Kg 1 4/7/2022 5:37:29 PM Surr: DNOP 75.2 51.1-141 %Rec 1 4/7/2022 5:37:29 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: BRM Gasoline Range Organics (GRO) ND 4/6/2022 10:14:00 PM 4.8 mg/Kg 1 Surr: BFB 100 37.7-212 %Rec 1 4/6/2022 10:14:00 PM **EPA METHOD 8021B: VOLATILES** Analyst: BRM Benzene ND 4/6/2022 10:14:00 PM 0.024 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 4/6/2022 10:14:00 PM Ethylbenzene ND 0.048 mg/Kg 1 4/6/2022 10:14:00 PM Xylenes, Total ND 0.095 mg/Kg 1 4/6/2022 10:14:00 PM 4/6/2022 10:14:00 PM Surr: 4-Bromofluorobenzene 83.1 70-130 %Rec 1

330

60

ma/Ka

20

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

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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 10

Analyst: CAS

4/9/2022 12:24:43 AM

	ex Resources Services, Inc. eyer A 1	
Sample ID: MB-66741	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 66741	RunNo: 87132
Prep Date: 4/8/2022	Analysis Date: 4/8/2022	SeqNo: 3080744 Units: mg/Kg
Analyte	Result PQL SPK value SPK Ref	Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND 1.5	
Sample ID: LCS-66741	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 66741	RunNo: 87132
Prep Date: 4/8/2022	Analysis Date: 4/8/2022	SeqNo: 3080745 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

- * 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2204119

14-Apr-22

	x Resources S eyer A 1	ervices	, Inc.							
Sample ID: LCS-66671	Samp	Гуре: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: LCSS	Batc	h ID: 66	671	F	RunNo: 8	7064				
Prep Date: 4/6/2022	Analysis [Date: 4/	7/2022	S	SeqNo: 3	078635	Units: mg/#	٤g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.8	68.9	135			
Surr: DNOP	5.0		5.000		100	51.1	141			
Sample ID: MB-66671	Samp	Type: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batc	h ID: 66	671	F	RunNo: 8	7064				
Prep Date: 4/6/2022	Analysis [Date: 4/	7/2022	S	SeqNo: 3	078638	Units: mg/#	٤g		
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	51.1	141			

- * 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 10

2204119

14-Apr-22

	tex Resources S neyer A 1	ervices,	Inc.							
Sample ID: Ics-66633	SampT	Type: LC	S	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: LCSS	Batc	h ID: 66	633	F	RunNo: 8	7055				
Prep Date: 4/5/2022	Analysis E	Date: 4/	6/2022	5	SeqNo: 3	076666	Units: mg/#	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO	0) 29	5.0	25.00	0	115	72.3	137			
Surr: BFB	2200		1000		224	37.7	212			S
Sample ID: mb-66633	SampT	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8015D: Gasc	line Rang	e	
Client ID: PBS	Batcl	h ID: 66	633	F	RunNo: 8	7055				
Prep Date: 4/5/2022	Analysis E	Date: 4/	6/2022	S	SeqNo: 3	076667	Units: mg/#	g		
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		92.9	37.7	212			

- * 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 range due to dilution or matrix interference

Released to Imaging: 11/6/2023 2:06:02 PM

- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

2204119

14-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	ex Resources S heyer A 1	Services,	Inc.							
Sample ID: Ics-66633	Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 66	633	F	RunNo: 8	7055				
Prep Date: 4/5/2022	Analysis [Date: 4/	6/2022	S	SeqNo: 3	076724	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.025	1.000	0	88.0	80	120			
Toluene	0.90	0.050	1.000	0	90.2	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.5	80	120			
Kylenes, Total	2.7	0.10	3.000	0	90.5	80	120			
Surr: 4-Bromofluorobenzene	0.82		1.000		81.8	70	130			
Sample ID: mb-66633	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 66	633	F	RunNo: 8	7055				
Prep Date: 4/5/2022	Analysis [Date: 4/	6/2022	5	SeqNo: 3	076725	Units: mg/K	ſg		
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								
Kylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.80		1.000		79.8	70	130			

- * 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

WO#: 2204119 14-Apr-22

ENVIRONMENTAL ANALYSIS LABORATORY				all Environi EL: 505-345 Website: w	4) Albuque 5-3975 FAN	001 Haw rque, NA (: 505-3-	kins NE 1 87109 45-4107	Sample Log-In Check List				
С	Client Name:	Vertex Ro Services,		Wor	k Order Nu	mber: 22	04119			RcptNo: 1	-	
Re	eceived By:	Tracy Ca	asarrubias	4/5/202	22 8:00:00	AM						
Co	ompleted By:	Sean Liv	vingston	4/5/202	2 8:42:45	AM				1		
Re	eviewed By:	Onc	_	4/5/2				2		-17st-		
Ch	nain of Cus	stody										
1.	Is Chain of C	ustody com	plete?			Yes		N	• 🗆	Not Present		
2.	How was the	sample del	ivered?				irier					
	og In											
3. 1	Was an atten	npt made to	cool the sam	ples?		Yes	~	No		NA 🗌		
4. \	Were all samp	oles receive	d at a temper	ature of >0° C	to 6.0°C	Yes		No				
5. :	Sample(s) in p	proper conta	ainer(s)?			Yes		No				
6. 5	Sufficient sam	ple volume	for indicated t	test(s)?		Yes		No				
7. A	Are samples (except VOA	and ONG) pr	operly preserve	d?	Yes						
8. v	Was preservat	tive added to	o bottles?			Yes				NA		
9. R	Received at lea	ast 1 vial wi	th headspace	<1/4" for AQ V	OA?	Yes	П	No				
	Were any sam				0.0	Yes	-		~	# of preserved	÷	
	Does paperwo Note discrepa			()		Yes		No		bottles checked for pH: (<2 or >12 unless noted)		
				n of Custody?		Yes	V	No	П	(<2 of >12 unless noted) Adjusted?		
13. Is	s it clear what	analyses w	ere requested			Yes		No				
14.∖∿ (If	Vere all holdin f no, notify cu	g times able stomer for a	e to be met? authorization.)			Yes	~	No		checked by: JN 4 5 22	-	
Spec	cial Handli	ng (if app	olicable)									
				with this order?		Yes		No		NA 🔽		
	Person N	lotified:			Date	-						
	By Whon				Via:	🗌 eMa	il 🗔 F	Phone	Fax	In Person		
	Regardin	g:	-						1.400			
		structions:							-			
16. A	Additional rem	arks:										
17. <u>c</u>	Cooler Inform Cooler No 1	nation Temp °C 4.6	Condition Good	Seal Intact	Seal No	Seal Da	te	Signed E	3y			
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Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-11 1' **Project:** Nymeyer A 1 Collection Date: 4/4/2022 2:00:00 PM Lab ID: 2204285-001 Matrix: SOIL Received Date: 4/7/2022 8:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 170 10 mg/Kg 1 4/8/2022 3:48:45 PM Motor Oil Range Organics (MRO) 50 120 mg/Kg 1 4/8/2022 3:48:45 PM Surr: DNOP 88.8 51.1-141 %Rec 1 4/8/2022 3:48:45 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/8/2022 3:42:50 PM 4.7 mg/Kg 1 Surr: BFB 94.9 37.7-212 %Rec 1 4/8/2022 3:42:50 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 4/8/2022 3:42:50 PM 0.023 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 4/8/2022 3:42:50 PM Ethylbenzene ND 0.047 mg/Kg 1 4/8/2022 3:42:50 PM Xylenes, Total ND 0.094 mg/Kg 1 4/8/2022 3:42:50 PM %Rec 4/8/2022 3:42:50 PM Surr: 4-Bromofluorobenzene 98.4 70-130 1 Analyst: LRN **EPA METHOD 300.0: ANIONS** Chloride 380 61 4/11/2022 10:34:32 PM ma/Ka 20

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

Qualifiers:

- Value exceeds Maximum Contaminant Level
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-12 1' **Project:** Nymeyer A 1 Collection Date: 4/4/2022 2:05:00 PM Lab ID: 2204285-002 Matrix: SOIL Received Date: 4/7/2022 8:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 200 9.8 mg/Kg 1 4/8/2022 3:59:29 PM Motor Oil Range Organics (MRO) 150 49 mg/Kg 1 4/8/2022 3:59:29 PM Surr: DNOP 90.2 51.1-141 %Rec 1 4/8/2022 3:59:29 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/8/2022 8:24:28 PM 4.9 mg/Kg 1 Surr: BFB 91.5 37.7-212 %Rec 1 4/8/2022 8:24:28 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 4/8/2022 8:24:28 PM 0.024 mg/Kg 1 Toluene 0.049 ND mg/Kg 1 4/8/2022 8:24:28 PM Ethylbenzene ND 0.049 mg/Kg 1 4/8/2022 8:24:28 PM Xylenes, Total ND 0.098 mg/Kg 1 4/8/2022 8:24:28 PM %Rec 4/8/2022 8:24:28 PM Surr: 4-Bromofluorobenzene 95.3 70-130 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 21 3.0 4/11/2022 10:46:56 PM mg/Kg 1

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

Qualifiers:

- Value exceeds Maximum Contaminant Level D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit POL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 0

Released to Imaging: 11/6/2023 2:06:02 PM

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-13 1' **Project:** Nymeyer A 1 Collection Date: 4/4/2022 2:10:00 PM Lab ID: 2204285-003 Matrix: SOIL Received Date: 4/7/2022 8:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 370 10 mg/Kg 1 4/8/2022 4:21:06 PM Motor Oil Range Organics (MRO) 240 50 mg/Kg 1 4/8/2022 4:21:06 PM Surr: DNOP 106 51.1-141 %Rec 1 4/8/2022 4:21:06 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/8/2022 9:35:09 PM 4.8 mg/Kg 1 Surr: BFB 89.4 37.7-212 %Rec 1 4/8/2022 9:35:09 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 4/8/2022 9:35:09 PM 0.024 mg/Kg 1 Toluene 0.048 ND mg/Kg 1 4/8/2022 9:35:09 PM Ethylbenzene ND 0.048 mg/Kg 1 4/8/2022 9:35:09 PM Xylenes, Total ND 0.096 mg/Kg 1 4/8/2022 9:35:09 PM %Rec 4/8/2022 9:35:09 PM Surr: 4-Bromofluorobenzene 94.0 70-130 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 480 60 4/11/2022 11:24:09 PM ma/Ka 20

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

Qualifiers:

- Value exceeds Maximum Contaminant Level
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-06 2' **Project:** Nymeyer A 1 Collection Date: 4/4/2022 2:15:00 PM Lab ID: 2204285-004 Matrix: SOIL Received Date: 4/7/2022 8:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 11 9.1 mg/Kg 1 4/8/2022 4:42:44 PM Motor Oil Range Organics (MRO) ND 4/8/2022 4:42:44 PM 46 mg/Kg 1 Surr: DNOP 82.2 51.1-141 %Rec 1 4/8/2022 4:42:44 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/8/2022 9:58:43 PM 5.0 mg/Kg 1 Surr: BFB 94.4 37.7-212 %Rec 1 4/8/2022 9:58:43 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 4/8/2022 9:58:43 PM 0.025 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 4/8/2022 9:58:43 PM Ethylbenzene ND 0.050 mg/Kg 1 4/8/2022 9:58:43 PM Xylenes, Total ND 0.099 mg/Kg 1 4/8/2022 9:58:43 PM %Rec 4/8/2022 9:58:43 PM Surr: 4-Bromofluorobenzene 98.4 70-130 1 **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 900 60 4/11/2022 11:36:34 PM ma/Ka 20

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

Qualifiers:

- Value exceeds Maximum Contaminant Level
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-07 2' **Project:** Nymeyer A 1 Collection Date: 4/4/2022 2:20:00 PM Lab ID: 2204285-005 Matrix: SOIL Received Date: 4/7/2022 8:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 12 9.4 mg/Kg 1 4/8/2022 4:53:36 PM Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 4/8/2022 4:53:36 PM Surr: DNOP 88.6 51.1-141 %Rec 1 4/8/2022 4:53:36 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/8/2022 10:22:15 PM 4.7 mg/Kg 1 Surr: BFB 93.6 37.7-212 %Rec 1 4/8/2022 10:22:15 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 4/8/2022 10:22:15 PM 0.024 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 4/8/2022 10:22:15 PM Ethylbenzene ND 0.047 mg/Kg 1 4/8/2022 10:22:15 PM Xylenes, Total ND 0.094 mg/Kg 1 4/8/2022 10:22:15 PM %Rec 4/8/2022 10:22:15 PM Surr: 4-Bromofluorobenzene 98.0 70-130 1 Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 190 60 4/13/2022 2:42:08 AM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 5 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-08 2' **Project:** Nymeyer A 1 Collection Date: 4/4/2022 2:25:00 PM Lab ID: 2204285-006 Matrix: SOIL Received Date: 4/7/2022 8:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 140 9.7 mg/Kg 1 4/8/2022 5:15:08 PM Motor Oil Range Organics (MRO) 96 49 mg/Kg 1 4/8/2022 5:15:08 PM Surr: DNOP 84.3 51.1-141 %Rec 1 4/8/2022 5:15:08 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/8/2022 10:45:42 PM 4.6 mg/Kg 1 Surr: BFB 89.9 37.7-212 %Rec 1 4/8/2022 10:45:42 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB 4/8/2022 10:45:42 PM Benzene ND 0.023 mg/Kg 1 Toluene ND 0.046 mg/Kg 1 4/8/2022 10:45:42 PM Ethylbenzene ND 0.046 mg/Kg 1 4/8/2022 10:45:42 PM Xylenes, Total ND 0.091 mg/Kg 1 4/8/2022 10:45:42 PM %Rec 4/8/2022 10:45:42 PM Surr: 4-Bromofluorobenzene 94.4 70-130 1 Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 270 59 4/13/2022 2:54:32 AM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level
 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 0

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-09 2' **Project:** Nymeyer A 1 Collection Date: 4/4/2022 2:30:00 PM Lab ID: 2204285-007 Matrix: SOIL Received Date: 4/7/2022 8:10:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 67 9.9 mg/Kg 1 4/8/2022 5:36:39 PM Motor Oil Range Organics (MRO) 60 50 mg/Kg 1 4/8/2022 5:36:39 PM Surr: DNOP 91.2 51.1-141 %Rec 1 4/8/2022 5:36:39 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/8/2022 11:09:06 PM 4.8 mg/Kg 1 Surr: BFB 93.2 37.7-212 %Rec 1 4/8/2022 11:09:06 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 4/8/2022 11:09:06 PM 1 Toluene ND 0.048 mg/Kg 1 4/8/2022 11:09:06 PM Ethylbenzene ND 0.048 mg/Kg 1 4/8/2022 11:09:06 PM Xylenes, Total ND 0.096 mg/Kg 1 4/8/2022 11:09:06 PM %Rec 4/8/2022 11:09:06 PM Surr: 4-Bromofluorobenzene 97.9 70-130 1 Analyst: JMT **EPA METHOD 300.0: ANIONS** Chloride 280 59 4/13/2022 3:06:57 AM ma/Ka 20

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

Qualifiers:

Value exceeds Maximum Contaminant Level
 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 0



April 25, 2022

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

OrderNo.: 2204719

Hall Environmental Analysis Laboratory

TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Nymeyer A 1

Dear Chad Dixon:

Hall Environmental Analysis Laboratory received 7 sample(s) on 4/15/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab ID:

Analyses

CLIENT: Vertex Resources Services, Inc.

Nymeyer A 1

2204719-001

Analytical Report
Lab Order 2204719

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

 Client Sample ID: WES22-14 3'

 Collection Date: 4/14/2022 7:30:00 AM

 Matrix: SOIL
 Received Date: 4/15/2022 8:00:00 AM

 Result
 RL Qual Units
 DF
 Date Analyzed

 ORGANICS
 Analyst: ED

EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/20/2022 10:09:55 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/20/2022 10:09:55 AM
Surr: DNOP	63.6	51.1-141	%Rec	1	4/20/2022 10:09:55 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	4/19/2022 2:56:38 AM
Surr: BFB	98.1	37.7-212	%Rec	1	4/19/2022 2:56:38 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	4/19/2022 2:56:38 AM
Toluene	ND	0.050	mg/Kg	1	4/19/2022 2:56:38 AM
Ethylbenzene	ND	0.050	mg/Kg	1	4/19/2022 2:56:38 AM
Xylenes, Total	ND	0.10	mg/Kg	1	4/19/2022 2:56:38 AM
Surr: 4-Bromofluorobenzene	99.4	70-130	%Rec	1	4/19/2022 2:56:38 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	63	60	mg/Kg	20	4/19/2022 11:53:29 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 14

EPA METHOD 300.0: ANIONS

Chloride

Analytical Report
Lab Order 2204719

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-14 6' **Project:** Nymeyer A 1 Collection Date: 4/14/2022 7:35:00 AM Lab ID: 2204719-002 Matrix: SOIL Received Date: 4/15/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses Analyst: ED EPA METHOD 8015M/D: DIESEL RANGE ORGANICS **Diesel Range Organics (DRO)** ND 9.8 mg/Kg 1 4/20/2022 10:33:28 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 4/20/2022 10:33:28 AM Surr: DNOP 70.9 51.1-141 %Rec 1 4/20/2022 10:33:28 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4.7 4/19/2022 3:43:46 AM mg/Kg 1 Surr: BFB 97.0 37.7-212 %Rec 1 4/19/2022 3:43:46 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 4/19/2022 3:43:46 AM 0.023 mg/Kg 1 Toluene ND 0.047 mg/Kg 1 4/19/2022 3:43:46 AM Ethylbenzene ND 0.047 mg/Kg 1 4/19/2022 3:43:46 AM Xylenes, Total ND 0.094 mg/Kg 4/19/2022 3:43:46 AM 1 Surr: 4-Bromofluorobenzene 98.1 70-130 %Rec 1 4/19/2022 3:43:46 AM

ND

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

Qualifiers:

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to Matrix

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits

mg/Kg

20

60

- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 14

Analyst: JMT

4/20/2022 3:07:54 PM

H Holding times for preparation or analysis exceeded

Lab ID:

Analyses

Analytical Report Lab Order 2204719

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES22-15 3' Nymeyer A 1 Collection Date: 4/14/2022 7:40:00 AM 2204719-003 Matrix: SOIL Received Date: 4/15/2022 8:00:00 AM Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 9.7 mg/Kg 1 4/20/2022 10:57:10 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 4/20/2022 10:57:10 AM Surr: DNOP 82.3 51.1-141 %Rec 1 4/20/2022 10:57:10 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 4/19/2022 4:07:21 AM 4.9 mg/Kg 1 Surr: BFB 97.7 37.7-212 %Rec 1 4/19/2022 4:07:21 AM alvst: NSB Λ

EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	4/19/2022 4:07:21 AM
Toluene	ND	0.049	mg/Kg	1	4/19/2022 4:07:21 AM
Ethylbenzene	ND	0.049	mg/Kg	1	4/19/2022 4:07:21 AM
Xylenes, Total	ND	0.098	mg/Kg	1	4/19/2022 4:07:21 AM
Surr: 4-Bromofluorobenzene	99.9	70-130	%Rec	1	4/19/2022 4:07:21 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/20/2022 3:20:19 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- E Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 14

*

Lab ID:

CLIENT: Vertex Resources Services, Inc.

Nymeyer A 1

2204719-004

Analytical Report
Lab Order 2204719

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-15 6'Collection Date: 4/14/2022 7:45:00 AMMatrix: SOILReceived Date: 4/15/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	4/20/2022 11:20:59 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/20/2022 11:20:59 AM
Surr: DNOP	55.6	51.1-141	%Rec	1	4/20/2022 11:20:59 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/19/2022 4:30:54 AM
Surr: BFB	99.1	37.7-212	%Rec	1	4/19/2022 4:30:54 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	4/19/2022 4:30:54 AM
Toluene	ND	0.049	mg/Kg	1	4/19/2022 4:30:54 AM
Ethylbenzene	ND	0.049	mg/Kg	1	4/19/2022 4:30:54 AM
Xylenes, Total	ND	0.099	mg/Kg	1	4/19/2022 4:30:54 AM
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	4/19/2022 4:30:54 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/20/2022 3:32:44 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.
 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 14

CLIENT: Vertex Resources Services, Inc.

Nymeyer A 1

Analytical Report Lab Order 2204719

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-10 8' Collection Date: 4/14/2022 7:50:00 AM Received Date: 4/15/2022 8:00:00 AM

Lab ID: 2204719-005	Matrix: SOIL	Rece	eived Date:	4/15/2	022 8:00:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/20/2022 11:44:54 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/20/2022 11:44:54 AM
Surr: DNOP	51.4	51.1-141	%Rec	1	4/20/2022 11:44:54 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/19/2022 4:54:29 AM
Surr: BFB	98.0	37.7-212	%Rec	1	4/19/2022 4:54:29 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	4/19/2022 4:54:29 AM
Toluene	ND	0.048	mg/Kg	1	4/19/2022 4:54:29 AM
Ethylbenzene	ND	0.048	mg/Kg	1	4/19/2022 4:54:29 AM
Xylenes, Total	ND	0.095	mg/Kg	1	4/19/2022 4:54:29 AM
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	4/19/2022 4:54:29 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/20/2022 3:45:08 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н

Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference S

Analyte detected in the associated Method Blank в

Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 5 of 14

CLIENT: Vertex Resources Services, Inc.

Nymeyer A 1

Analytical Report Lab Order 2204719

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-11 2' Collection Date: 4/14/2022 7:55:00 AM Received Date: 4/15/2022 8:00:00 AM

Lab ID: 2204719-006	Matrix: SOIL	Rece	ived Date:	4/15/2	022 8:00:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/20/2022 12:56:12 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/20/2022 12:56:12 PM
Surr: DNOP	63.8	51.1-141	%Rec	1	4/20/2022 12:56:12 PM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	4/18/2022 11:06:00 AM
Surr: BFB	103	37.7-212	%Rec	1	4/18/2022 11:06:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	4/18/2022 11:06:00 AM
Toluene	ND	0.049	mg/Kg	1	4/18/2022 11:06:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	4/18/2022 11:06:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	4/18/2022 11:06:00 AM
Surr: 4-Bromofluorobenzene	86.4	70-130	%Rec	1	4/18/2022 11:06:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/20/2022 4:22:22 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 14

н

Lab ID:

CLIENT: Vertex Resources Services, Inc.

Nymeyer A 1

2204719-007

Analytical Report Lab Order 2204719

Date Reported: 4/25/2022

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-12 2' Collection Date: 4/14/2022 8:00:00 AM Received Date: 4/15/2022 8:00:00 AM

240 120 220 11 200				., 10, -	
Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/20/2022 1:19:54 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/20/2022 1:19:54 PM
Surr: DNOP	55.6	51.1-141	%Rec	1	4/20/2022 1:19:54 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	4/18/2022 12:05:00 PM
Surr: BFB	98.3	37.7-212	%Rec	1	4/18/2022 12:05:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	4/18/2022 12:05:00 PM
Toluene	ND	0.048	mg/Kg	1	4/18/2022 12:05:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	4/18/2022 12:05:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	4/18/2022 12:05:00 PM
Surr: 4-Bromofluorobenzene	81.5	70-130	%Rec	1	4/18/2022 12:05:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	4/20/2022 4:34:47 PM

Matrix: SOIL

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

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 7 of 14

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Vertex F Nymeye	Resources Services, r A 1	Inc.							
Sample ID:	MB-66935	SampType: mbl	k	Tes	tCode: EF	PA Method	300.0: Anions			
Client ID:	PBS	Batch ID: 669	35	F	RunNo: 87	7374				
Prep Date:	4/19/2022	Analysis Date: 4/1	9/2022	S	SeqNo: 30	91065	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-66935	SampType: Ics		Tes	tCode: EF	PA Method	300.0: Anions			
Client ID:	LCSS	Batch ID: 669	35	F	RunNo: 87	7374				
Prep Date:	4/19/2022	Analysis Date: 4/1	9/2022	S	SeqNo: 30	91066	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14 1.5	15.00	0	95.5	90	110			
Sample ID:	MB-66944	SampType: mbl	k	Tes	tCode: EF	A Method	300.0: Anions			
Client ID:	PBS	Batch ID: 669	44	F	RunNo: 87	7381				
Prep Date:	4/20/2022	Analysis Date: 4/2	0/2022	S	SeqNo: 30	91676	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND 1.5								
Sample ID:	LCS-66944	SampType: Ics		Tes	tCode: EF	PA Method	300.0: Anions			
Client ID:	LCSS	Batch ID: 669	44	F	RunNo: 87	7381				
Prep Date:	4/20/2022	Analysis Date: 4/2	0/2022	S	SeqNo: 30	91677	Units: mg/Kg	9		
Analyte		Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		15 1.5	15.00	0	97.7	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 8 of 14

2204719

25-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Sample ID: LCS-666884 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Clent ID: LCSS Batch ID: 66884 RunNo: 87361 Prep Date: 4/15/2022 Analysis Date: 4/18/2022 SeqNo: 3090506 Units: mg/Kg Analyte Result POL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual iesel Range Organics (DR0) 46 10 50.00 9.14. 68.9 135 Surr: DNOP 3.9 5.000 77.2 51.1 141 SampLe ID: MB-66884 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Clinnt ID: PBS Batch ID: 66884 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090970 Units: mg/Kg Analyte Result POL SPK value SPK kef Val %REC <	Client: Vertex R	esources Services, Inc.		
Client ID: LCSS Batch ID: 66884 RunNo: 87361 Prep Date: 4/15/2022 Analysis Date: 4/18/2022 SeqNo: 3090506 Units: mg/kg Analyte Result POL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Bisel Range Organics (DR0) 46 10 50.00 0 91.4 66.9 135 Sim: DNOP 3.9 5.000 77.2 51.1 141 Sample ID: MB-66884 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Prep Date: 4/15/2022 Analysis Date: 4/18/2022 SeqNo: 3090509 Units: mg/kg Analyte Result POL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Bisel Range Organics (DR0) ND 10 TestCode: EPA Method 8015M/D: Diesel Range Organics Client 10: PBS Batch 10:	Project: Nymeyer	A 1		
Prep Date: 4/15/2022 Analysis Date: 4/18/2022 SeqNo: 3090506 Units: mg/g Analyte Result PQL SPK value SPK Ref Val %REC LowLinit HighLinit %RPD RPDLinit Qual liesel Range Organics (DRO) 46 10 50.00 0 91.4 68.9 135 Surr: DNOP 3.9 5.000 77.2 51.1 141 141 Sample ID: MB-66884 Samptype: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Coganics Prop Date: 4/15/2022 Analysis Date: 4/18/2022 SeqNo: 3090509 Units: mg/g Analyte Result PQL SPK value SPK Ref Val %REC LowLinit HighLinit %RPD RPDLimit Qual Miesel Range Organics (DRO) ND 10 Inter Singer Page Organics SeqNo: 3090970 Units: mg/g Sum: DNOP 8.2 10.00 SPK Ref Val %REC LowLinit HighLinit %RPD RPDLimit Qual Sample	Sample ID: LCS-66884	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual liseal Range Organics (DR0) 46 10 50.00 0 91.4 68.9 135 Surr. DNOP 3.9 5.000 77.2 51.1 141 Sam: DNOP 3.9 5.000 77.2 51.1 141 Auto 5.000 77.2 51.1 141 Auto Sample Diseit Auto 5.000 77.2 51.1 141 Auto Sample Diseit Au	Client ID: LCSS	Batch ID: 66884	RunNo: 87361	
liesel Range Organics (DRO) 46 10 50.00 91.4 68.9 135 Surr. DNOP 3.9 5.000 77.2 51.1 141 Sam: DNOP Batch ID: 66884 RunNo: 87361 Prep Date: 4/15/2022 Analysis Date: 4/18/2022 SeqNo: 3090509 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Iesel Range Organics (MRO) ND 50 Sur: DNOP 8.2 10.00 81.6 51.1 141 141 Sample ID: MB-66891 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090970 Units: mg/Kg Analyte Result POL SPK value SPK Ref Val %REC L	Prep Date: 4/15/2022	Analysis Date: 4/18/2022	SeqNo: 3090506	Units: mg/Kg
Sur: DNOP 3.9 5.000 77.2 51.1 141 Sample ID: MB-66884 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66884 RunNo: 87361 Prep Date: 4/16/2022 Analysis Date: 4/16/2022 SeqNo: 3090509 Units: mg/Kg Analyse Result POL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Biesel Range Organics (DRO) ND 10 TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PSS Batch ID: 66891 RunNo: 87372 Sample ID: MB-66891 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66891 RunNo: 87372 Units: mg/Kg Analysis Result POL SPK value SPK Kef Val %REC LowLimit HighLimit %RPD RPDLimit Qual Biesel Range Organics (MRO) ND 10 Exercode: EPA Method 8015M/D: D	Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Sample ID: MB-66884 SampType: MBLK TestCode: EPA Method 8015M/D: Diseel Range Organics Client ID: PBS Batch ID: 66884 RunNo: 87361 Prep Date: 4/15/2022 Analysis Date: 4/18/2022 SeqNo: 3090509 Units: mg/Kg Analyte Result PQL SPK ref Val SPK Ref Val MREC LowLimit HighLimit %RPD RPDLimit Qual liesel Range Organics (MRO) ND 50	Diesel Range Organics (DRO)			135
Client ID: PBS Batch ID: 66884 RunNo: 87361 Prep Date: 4/15/2022 Analysis Date: 4/18/2022 SeqNo: 3090509 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Ieseel Range Organics (MRO) ND 10 SampTope: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID: MB-66891 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090970 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual liesel Range Organics (MRO) ND 10.00 70.7 51.1 141	Surr: DNOP	3.9 5.	00 77.2 51.1	141
Prep Date: 4/15/2022 Analysis Date: 4/18/2022 SeqNo: 3090509 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual liesel Range Organics (DRO) ND 10 10 10 11 111	Sample ID: MB-66884	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Nalyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual liesel Range Organics (DRO) ND 50 50 51.1 141 50 <td>Client ID: PBS</td> <td>Batch ID: 66884</td> <td>RunNo: 87361</td> <td></td>	Client ID: PBS	Batch ID: 66884	RunNo: 87361	
Inissel Range Organics (DRO) ND 10 Intor Oil Range Organics (MRO) ND 50 Surr: DNOP 8.2 10.00 81.6 51.1 141 Sample ID: MB-66891 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090970 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Ider Barge Organics (DRO) ND 10 10.00 70.7 51.1 141 141 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LOS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090971 Units: mg/Kg Analyte <td< th=""><th>Prep Date: 4/15/2022</th><th>Analysis Date: 4/18/2022</th><th>SeqNo: 3090509</th><th>Units: mg/Kg</th></td<>	Prep Date: 4/15/2022	Analysis Date: 4/18/2022	SeqNo: 3090509	Units: mg/Kg
Idea Organics (MRO) ND 50 Surr: DNOP 8.2 10.00 81.6 51.1 141 Sample ID: MB-66891 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 309970 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Itesed Range Organics (DRO) ND 10 7.1 10.00 70.7 51.1 141 Sample ID: LCS-666891 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSs Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit <	Analyte	Result PQL SPK v	lue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP 8.2 10.00 81.6 51.1 141 Sample ID: MB-66891 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090970 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual liesel Range Organics (DRO) ND 10 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Sur: DNOP 7.1 10.00 70.7 51.1 141 Sample ID: LCS-66891 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66891 RunNo: 87372 Qual liesel Range Organics (DRO)	Diesel Range Organics (DRO)	ND 10		
Sample ID: MB-66891 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090970 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual liesel Range Organics (DRO) ND 10 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID: LCS-66891 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090971 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %R	Motor Oil Range Organics (MRO)			
Client ID: PBS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090970 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual liesel Range Organics (DRO) ND 10 <td>Surr: DNOP</td> <td>8.2 10</td> <td>00 81.6 51.1</td> <td>141</td>	Surr: DNOP	8.2 10	00 81.6 51.1	141
Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo:: 3090970 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual liesel Range Organics (DRO) ND 10	Sample ID: MB-66891	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual liesel Range Organics (DR0) ND 10	Client ID: PBS	Batch ID: 66891	RunNo: 87372	
ND 10 Idese Range Organics (DRO) ND 10 Ider Oil Range Organics (MRO) ND 50 Surr: DNOP 7.1 10.00 70.7 51.1 141 Sample ID: LCS-66891 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090971 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual iesel Range Organics (DRO) 56 10 50.00 0 112 68.9 135 Surr: DNOP 3.0 5.000 60.5 51.1 141 Sample ID: 2204719-006AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BES22-11 2' Batch ID: 66891 RunNo: 87372	Prep Date: 4/15/2022	Analysis Date: 4/20/2022	SeqNo: 3090970	Units: mg/Kg
ND 50 Surr: DNOP 7.1 10.00 70.7 51.1 141 Sample ID: LCS-66891 SampType: LCS Batch ID: 66891 RunNo: 87372 Client ID: LCSS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090971 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual iesel Range Organics (DRO) 56 10 50.00 0 112 68.9 135 5 5 5 5 14 5 5 5 5 5 5 14 5 5 5 5 5 5 5 5 5 5 14 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP 7.1 10.00 70.7 51.1 141 Sample ID: LCS-66891 SampType: LCS TestCode: EPA Method 8015M/D: Diseal Range Organics Client ID: LCSS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090971 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: DNOP 3.0 50.00 0 112 68.9 135 35 Surr: DNOP 3.0 5.000 60.5 51.1 141 201 Sample ID: 2204719-006AMS SampType: MS TestCode: EPA Method 8015M/D: Diseal Range Organics Client ID: BES22-11 2' Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3092518 Units: mg/Kg				
Sample ID: LCS-66891 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090971 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual iesel Range Organics (DRO) 56 10 50.00 0 112 68.9 135 50.00 60.5 51.1 141 50.00 60.5 51.1 141 50.00 60.5 51.1 141 50.00 50.00 60.5 51.1 141 50.00 50.00 50.00 50.00 60.5 51.1 141 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00 50.00<				
Client ID: LCSS Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090971 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Maintyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Maintyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Maintyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Sample ID: 2204719-006AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BES22-11 2' Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3092518 Units: mg/Kg <th< th=""><th>Surr: DNOP</th><th>7.1 10</th><th>00 70.7 51.1</th><th>141</th></th<>	Surr: DNOP	7.1 10	00 70.7 51.1	141
Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3090971 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual viewel Range Organics (DRO) 56 10 50.00 0 112 68.9 135	Sample ID: LCS-66891	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual viesel Range Organics (DRO) 56 10 50.00 0 112 68.9 135 Surr: DNOP 3.0 5.000 60.5 51.1 141	Client ID: LCSS	Batch ID: 66891	RunNo: 87372	
biesel Range Organics (DRO) 56 10 50.00 0 112 68.9 135 Surr: DNOP 3.0 5.000 60.5 51.1 141 Sample ID: 2204719-006AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BES22-11 2' Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3092518 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Viesel Range Organics (DRO) 55 9.8 49.07 0 112 36.1 154	Prep Date: 4/15/2022	Analysis Date: 4/20/2022	SeqNo: 3090971	Units: mg/Kg
Surr: DNOP 3.0 5.000 60.5 51.1 141 Sample ID: 2204719-006AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BES22-11 2' Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3092518 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Viesel Range Organics (DRO) 55 9.8 49.07 0 112 36.1 154	Analyte	Result PQL SPK v	lue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Sample ID: 2204719-006AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BES22-11 2' Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3092518 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual viseel Range Organics (DRO) 55 9.8 49.07 0 112 36.1 154	Diesel Range Organics (DRO)	56 10 50	00 0 112 68.9	135
Client ID: BES22-11 2' Batch ID: 66891 RunNo: 87372 Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3092518 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Dissel Range Organics (DRO) 55 9.8 49.07 0 112 36.1 154	Surr: DNOP	3.0 5.	00 60.5 51.1	141
Prep Date: 4/15/2022 Analysis Date: 4/20/2022 SeqNo: 3092518 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual viseel Range Organics (DRO) 55 9.8 49.07 0 112 36.1 154	Sample ID: 2204719-006AMS	SampType: MS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual viesel Range Organics (DRO) 55 9.8 49.07 0 112 36.1 154	Client ID: BES22-11 2'	Batch ID: 66891	RunNo: 87372	
biesel Range Organics (DRO) 55 9.8 49.07 0 112 36.1 154	Prep Date: 4/15/2022	Analysis Date: 4/20/2022	SeqNo: 3092518	Units: mg/Kg
• • • •	Analyte	Result PQL SPK va	lue SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP 2.0 4.907 40.3 51.1 141 S	Diesel Range Organics (DRO)	55 9.8 49	07 0 112 36.1	
	Surr: DNOP	2.0 4.	07 40.3 51.1	141 S

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 14

2204719

25-Apr-22

Client: Project:	Vertex Re Nymeyer		ervices,	Inc.							
Sample ID:	2204719-006AMSD	SampT	уре: МS	D	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	BES22-11 2'	Batch	n ID: 668	91	F	RunNo: 87	7372				
Prep Date:	4/15/2022	Analysis D	Date: 4/2	20/2022	S	SeqNo: 30	92539	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Drganics (DRO)	54	9.6	47.89	0	112	36.1	154	2.30	33.9	
Surr: DNOP		1.8		4.789		36.6	51.1	141	0	0	S

- * Value exceeds Maximum Contaminant Level.
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- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 10 of 14

2204719

25-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex Re Project: Nymeyer	esources Services, A 1	Inc.							
Sample ID: mb-66882	SampType: MB	LK	Tes	tCode: El	PA Method	8015D: Gasol	ine Range		
Client ID: PBS	Batch ID: 668	82	F	RunNo: 8	7320				
Prep Date: 4/15/2022	Analysis Date: 4/1	8/2022	S	SeqNo: 3	087972	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO) Surr: BFB	ND 5.0 1100	1000		106	37.7	212			
Sample ID: Ics-66882	SampType: LC:	6	Tes	tCode: El	PA Method	8015D: Gasol	ine Range		
Client ID: LCSS	Batch ID: 668	82	F	RunNo: 8 '	7320				
Prep Date: 4/15/2022	Analysis Date: 4/1	8/2022	S	SeqNo: 3	087974	Units: mg/K	g		
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	72.3	137			
Surr: BFB	2100	1000		207	37.7	212			
Sample ID: Ics-66887	SampType: LC:	S	Tes	tCode: El	PA Method	8015D: Gasol	ine Range		
Client ID: LCSS	Batch ID: 668	87	F	RunNo: 8 '	7322				
Prep Date: 4/15/2022	Analysis Date: 4/1	8/2022	S	SeqNo: 3	088051	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26 5.0	25.00	0	104	72.3	137			
Surr: BFB	2400	1000		236	37.7	212			S
Sample ID: mb-66887	SampType: MB	LK	Tes	tCode: El	PA Method	8015D: Gasol	ine Range		
Client ID: PBS	Batch ID: 668	87	F	RunNo: 8 '	7322				
Prep Date: 4/15/2022	Analysis Date: 4/1	8/2022	S	SeqNo: 3	088052	Units: mg/K	g		
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	37.7	212			
Sample ID: 2204719-006ams	SampType: MS		Tes	tCode: El	PA Method	8015D: Gasol	ine Range		
Client ID: BES22-11 2'	Batch ID: 668	87	F	RunNo: 8 '	7322				
Prep Date: 4/15/2022	Analysis Date: 4/1	8/2022	S	SeqNo: 3	088054	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27 4.8	23.88	0	112	70	130			
Surr: BFB	2300	955.1		236	37.7	212			S
Sample ID: 2204719-006amsd	SampType: MS	D	Tes	tCode: El	PA Method	8015D: Gasol	ine Range		
Client ID: BES22-11 2'	Batch ID: 668	87	F	RunNo: 8 '	7322				
Prep Date: 4/15/2022	Analysis Date: 4/1	8/2022	S	SeqNo: 3	088055	Units: mg/K	g		
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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 14

Page 244 of 271

2204719

25-Apr-22

Client: Project:	Vertex Re Nymeyer		ervices,	Inc.							
Sample ID:	2204719-006amsd	SampT	уре: МS	D	Tes	tCode: EF	A Method	8015D: Gasol	ine Range	l	
Client ID:	BES22-11 2'	Batcl	n ID: 668	387	F	RunNo: 87	322				
Prep Date:	4/15/2022	Analysis E	Date: 4/*	18/2022	S	SeqNo: 30	88055	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	e Organics (GRO)	25	4.8	23.92	0	104	70	130	7.16	20	
Surr: BFB		2200		956.9		229	37.7	212	0	0	S

- * Value exceeds Maximum Contaminant Level.
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- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 12 of 14

2204719

25-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client:Vertex IProject:Nymeyer	Resources S er A 1	ervices,	Inc.							
Sample ID: mb-66882		Гуре: МЕ	BLK	Tes	stCode: EF	PA Method	8021B: Volati	iles		
Client ID: PBS		h ID: 668			RunNo: 87					
Prep Date: 4/15/2022	Analysis D				SeqNo: 30		Units: mg/K	g		
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	0.99		1.000		99.2	70	130			
Sample ID: LCS-66882	SampT	Type: LC	S	Tes	stCode: EF	A Method	8021B: Volati	iles		
Client ID: LCSS	Batch	h ID: 668	382	F	RunNo: 87	320				
Prep Date: 4/15/2022	Analysis E	Date: 4/	18/2022	5	SeqNo: 30	88003	Units: mg/K	g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.4	80	120			
Toluene	0.89	0.050	1.000	0	89.1	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.7	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.9	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			
Sample ID: Ics-66887	SampT	Гуре: LC	S	Tes	stCode: EF	PA Method	8021B: Volati	iles		
Client ID: LCSS	Batch	h ID: 668	887	F	RunNo: 87	322				
Prep Date: 4/15/2022	Analysis D	Date: 4/	18/2022	5	SeqNo: 30	88091	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	84.7	80	120			
Toluene	0.87	0.050	1.000	0	86.8	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.3	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.3	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.4	70	130			
Sample ID: mb-66887	SampT	Гуре: МЕ	BLK	Tes	stCode: EF	A Method	8021B: Volati	iles		
Client ID: PBS	Batch	h ID: 668	387	F	RunNo: 87	322				
Prep Date: 4/15/2022	Analysis D	Date: 4/	18/2022	5	SeqNo: 30	88092	Units: mg/K	g		
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		85.6	70	130			

* 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 range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 13 of 14

2204719

25-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Vertex Re Project: Nymeyer		Services,	Inc.							
Sample ID: 2204719-007ams	Samp	Туре: МS	;	Tes	tCode: EF	PA Method	8021B: Volati	iles		
Client ID: BES22-12 2'	Batc	h ID: 668	387	F	RunNo: 87	7322				
Prep Date: 4/15/2022	Analysis I	Date: 4/*	18/2022	S	SeqNo: 30	088096	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9597	0	89.2	68.8	120			
Toluene	0.89	0.048	0.9597	0	92.4	73.6	124			
Ethylbenzene	0.90	0.048	0.9597	0	93.3	72.7	129			
Xylenes, Total	2.7	0.096	2.879	0	93.5	75.7	126			
Surr: 4-Bromofluorobenzene	0.82		0.9597		85.3	70	130			
Sample ID: 2204719-007amsd	Samp	Туре: МЅ	D	Tes	tCode: EF	PA Method	8021B: Volati	iles		
Client ID: BES22-12 2'	Batc	h ID: 668	387	F	RunNo: 87	7322				
Prep Date: 4/15/2022	Analysis I	Date: 4/*	18/2022	S	SeqNo: 3(088097	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.024	0.9524	0	83.9	68.8	120	6.88	20	
Toluene	0.82	0.048	0.9524	0	86.4	73.6	124	7.47	20	
Ethylbenzene	0.83	0.048	0.9524	0	87.4	72.7	129	7.29	20	
Xylenes, Total	2.5	0.095	2.857	0	87.1	75.7	126	7.82	20	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank В
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- Reporting Limit RL

Page 14 of 14

WO#: 2204719 25-Apr-22

ANAL	3/2023 8:27:40 AM RONMENTAL YSIS RATORY	TEL: 505-343	mental Analysis La 4901 Hav Albuquerque, N 5-3975 FAX: 505-3 ww.hallenvironme	vkins NE M.87109 Sa N45-4107	Sample Log-In Check List				
Client Name:	Vertex Resources Services, Inc.	Work Order Nu	mber: 2204719		RcptNo: 1				
Received By:	Sean Livingston	4/15/2022 8:00:0	0 AM	<	Instru				
Completed By:	Tracy Casarrubias	4/15/2022 8:23:2		Jack	-12 sta-				
Reviewed By:	OL	4/15/22	- / 101						
Chain of Cus	tody								
	ustody complete?		Yes 🗸	No 🗌	Not Present				
2. How was the	sample delivered?		Courier						
Log In									
3. Was an attem	pt made to cool the samp	les?	Yes 🔽	No 🗌					
4. Were all samp	les received at a temperal	ture of >0° C to 6.0°C	Yes 🔽	No 🗌	NA 🗌				
5. Sample(s) in p	roper container(s)?		Yes 🗹	No 🗌					
6. Sufficient samp	ole volume for indicated te	st(s)?	Yes 🔽	No 🗌					
7. Are samples (e	xcept VOA and ONG) pro	perly preserved?	Yes 🔽	No 🗌					
	ve added to bottles?		Yes 🗌	No 🔽					
9. Received at lea	st 1 vial with headspace <	1/4" for AQ VOA?	Yes 🗌	No 🗌					
	ole containers received br		Yes	No 🗹					
			103 -		# of preserved				
(Note discrepan	< match bottle labels? cies on chain of custody)		Yes 🔽	No 🗌	bottles checked for pH: (<2 or >12 unless noted)				
	rrectly identified on Chain		Yes 🔽	No 🗌	Adjusted?				
	analyses were requested?		Yes 🔽	No 🗌					
4. Were all holding (If no, notify cus	times able to be met? tomer for authorization.)		Yes 🔽	No 🗌	Checked by: 4-15-23				
Special Handlin	g (if applicable)								
	ied of all discrepancies wi	th this order?	Yes 🗌	No 🗌					
Person No	otified:	Date:	11-11-2						
By Whom		Via:	121.000.003						
Regarding	6	via.		Phone 🗌 Fax	In Person				
Client Inst	ructions:								
16. Additional rema	irks:								
7. <u>Cooler Informa</u>	Carrier and the second s								
		Seal Intact Seal No es	Seal Date	Signed By					

Page 1 of 1

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	Chain	D-of-C	Chain-of-Custody Record	Turn-Around	I Time: 3-094	hos					i			1		
Client:	874			□ Standard	d Rush	, 			<u> </u>	HALL			RON	ENVIRONMENTAL	ITAI T	
		í.		Project Name	١				T			2	LAB	ANALTSIS LABUKALUKI	No K	-
Mailing	Mailing Address:	1	on File	Nymeyer	Itte Att 1	<i>±1</i>		4901 1	V Hawkir	4901 Hawkins NF	allenvir - Alhu	onme	www.hallenvironmental.com	00100		C D: 6 /
		44		Project #:			-	Tel 5	05-34	Tel 505-345-3075	6 - C	hianh	Eav EDE 34E 4107	50 10g		/13/2
Phone #:	#:			22	25 E-00196						Anal	is Re	guest	5		023
email o	email or Fax#:	-		Project Manager:	ager:			(0		-	¢C	-	(1		L	8:2)
QA/QC Packa	QA/QC Package:		Level 4 (Full Validation)	CK	Chanel Dixon	ixon	1208) s'	PCB's O / MRC		SWIS	PO₄, S(nəsdA\t			7:40 AM
Accreditation:	itation:		↓ Az Compliance	Sampler: C	CD			1.440		0228	' ² 01	-	uəse			<u> </u>
D NELAC	AC	Dther	er -	On Ice:	⊡~Yes	ON D		_	A		N '	(A(
	(Type)			# of Coolers:	1				1.1.1		_	1994 - S. 1.				
				Cooler Temp(including CF):	Vincluding CF): 5	() + 1 - 1 - 2 - + (°C)					_		1.1			_
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	/	08.141	N) 803	PAHs b	1.	S) 0228				_
4114	7:30	Soil	1 WES22-14 3'	205	ICE	100	K		1.00	1	1	-				-
-	7:35	-	HES22-14 6'	-		002	-				-					
	7:40		NES22-15 3'			102						-				
	7:45		251-225-12 S			han					-	-				
	7:50		RES22-10 8			500						-				
	7:55		,2 11-22528			0VVQ				-		-				-
	8:00		BESZZ-12 2'			200	-	-	-		-	-				
												-				
Date.	Timo:	Dolinoritod		:												
		ivellinguation by.		Mullur	via:	4/14/22 1115	Remarks:	ks:								Pa
Upte:	Time:	Relinquis <i>G D</i>		1.1	Via: Y	Date Time										ge 249 a
	necessary,	samples sut	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this noscipility. Any sub-contracted data will be cloady acted as the contracted as the cloady acted as the cloady a	untracted to other ac	credited laboratorie	- This serves as police of this	40040		100							f



April 28, 2022

Chance Dixon Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220 TEL: (505) 506-0040 FAX Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Nymeyer A 1

OrderNo.: 2204982

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 13 sample(s) on 4/22/2022 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab ID: 2204982-001

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: WES22-16 3' Collection Date: 4/20/2022 10:00:00 AM Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	4/24/2022 6:44:12 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	4/24/2022 6:44:12 PM
Surr: DNOP	88.1	51.1-141	%Rec	1	4/24/2022 6:44:12 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	2.9	mg/Kg	1	4/22/2022 1:04:40 PM
Surr: BFB	95.8	37.7-212	%Rec	1	4/22/2022 1:04:40 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.015	mg/Kg	1	4/22/2022 1:04:40 PM
Toluene	ND	0.029	mg/Kg	1	4/22/2022 1:04:40 PM
Ethylbenzene	ND	0.029	mg/Kg	1	4/22/2022 1:04:40 PM
Xylenes, Total	ND	0.058	mg/Kg	1	4/22/2022 1:04:40 PM
Surr: 4-Bromofluorobenzene	96.2	70-130	%Rec	1	4/22/2022 1:04:40 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/22/2022 8:30:29 PM

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix
- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 1 of 17

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

2204982-002

Client Sample ID: WES22-16 6' Collection Date: 4/20/2022 10:05:00 AM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	4/24/2022 7:07:50 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/24/2022 7:07:50 PM
Surr: DNOP	86.1	51.1-141	%Rec	1	4/24/2022 7:07:50 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	4/22/2022 1:28:13 PM
Surr: BFB	95.9	37.7-212	%Rec	1	4/22/2022 1:28:13 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.017	mg/Kg	1	4/22/2022 1:28:13 PM
Toluene	ND	0.034	mg/Kg	1	4/22/2022 1:28:13 PM
Ethylbenzene	ND	0.034	mg/Kg	1	4/22/2022 1:28:13 PM
Xylenes, Total	ND	0.067	mg/Kg	1	4/22/2022 1:28:13 PM
Surr: 4-Bromofluorobenzene	96.9	70-130	%Rec	1	4/22/2022 1:28:13 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/22/2022 8:42:53 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference S

- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 17
Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: WES22-17 3' Collection Date: 4/20/2022 10:10:00 AM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	4/24/2022 7:31:27 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/24/2022 7:31:27 PM
Surr: DNOP	79.0	51.1-141	%Rec	1	4/24/2022 7:31:27 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	4/22/2022 1:51:39 PM
Surr: BFB	93.4	37.7-212	%Rec	1	4/22/2022 1:51:39 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.019	mg/Kg	1	4/22/2022 1:51:39 PM
Toluene	ND	0.037	mg/Kg	1	4/22/2022 1:51:39 PM
Ethylbenzene	ND	0.037	mg/Kg	1	4/22/2022 1:51:39 PM
Xylenes, Total	ND	0.074	mg/Kg	1	4/22/2022 1:51:39 PM
Surr: 4-Bromofluorobenzene	94.5	70-130	%Rec	1	4/22/2022 1:51:39 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/22/2022 8:55:18 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference S

- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 3 of 17

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: WES22-17 6' Collection Date: 4/20/2022 10:15:00 AM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/24/2022 7:55:11 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/24/2022 7:55:11 PM
Surr: DNOP	83.8	51.1-141	%Rec	1	4/24/2022 7:55:11 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	4/22/2022 2:15:07 PM
Surr: BFB	92.7	37.7-212	%Rec	1	4/22/2022 2:15:07 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.018	mg/Kg	1	4/22/2022 2:15:07 PM
Toluene	ND	0.036	mg/Kg	1	4/22/2022 2:15:07 PM
Ethylbenzene	ND	0.036	mg/Kg	1	4/22/2022 2:15:07 PM
Xylenes, Total	ND	0.072	mg/Kg	1	4/22/2022 2:15:07 PM
Surr: 4-Bromofluorobenzene	94.9	70-130	%Rec	1	4/22/2022 2:15:07 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/22/2022 9:57:21 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference S

- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 4 of 17

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: WES22-18 3' Collection Date: 4/20/2022 10:20:00 AM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/24/2022 8:42:19 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/24/2022 8:42:19 PM
Surr: DNOP	64.1	51.1-141	%Rec	1	4/24/2022 8:42:19 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	2.8	mg/Kg	1	4/22/2022 3:25:40 PM
Surr: BFB	95.8	37.7-212	%Rec	1	4/22/2022 3:25:40 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.014	mg/Kg	1	4/22/2022 3:25:40 PM
Toluene	ND	0.028	mg/Kg	1	4/22/2022 3:25:40 PM
Ethylbenzene	ND	0.028	mg/Kg	1	4/22/2022 3:25:40 PM
Xylenes, Total	ND	0.056	mg/Kg	1	4/22/2022 3:25:40 PM
Surr: 4-Bromofluorobenzene	95.4	70-130	%Rec	1	4/22/2022 3:25:40 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/22/2022 10:09:46 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference S

Analyte detected in the associated Method Blank в

Е Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 5 of 17

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: WES22-18 6' Collection Date: 4/20/2022 10:25:00 AM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/24/2022 9:06:02 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/24/2022 9:06:02 PM
Surr: DNOP	67.5	51.1-141	%Rec	1	4/24/2022 9:06:02 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	4/22/2022 3:49:11 PM
Surr: BFB	95.7	37.7-212	%Rec	1	4/22/2022 3:49:11 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.017	mg/Kg	1	4/22/2022 3:49:11 PM
Toluene	ND	0.035	mg/Kg	1	4/22/2022 3:49:11 PM
Ethylbenzene	ND	0.035	mg/Kg	1	4/22/2022 3:49:11 PM
Xylenes, Total	ND	0.069	mg/Kg	1	4/22/2022 3:49:11 PM
Surr: 4-Bromofluorobenzene	96.4	70-130	%Rec	1	4/22/2022 3:49:11 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	59	mg/Kg	20	4/22/2022 10:22:11 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 6 of 17

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: WES22-19 2' Collection Date: 4/20/2022 10:30:00 AM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	4/24/2022 9:29:36 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/24/2022 9:29:36 PM
Surr: DNOP	62.1	51.1-141	%Rec	1	4/24/2022 9:29:36 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	4/22/2022 4:12:41 PM
Surr: BFB	95.9	37.7-212	%Rec	1	4/22/2022 4:12:41 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.019	mg/Kg	1	4/22/2022 4:12:41 PM
Toluene	ND	0.038	mg/Kg	1	4/22/2022 4:12:41 PM
Ethylbenzene	ND	0.038	mg/Kg	1	4/22/2022 4:12:41 PM
Xylenes, Total	ND	0.075	mg/Kg	1	4/22/2022 4:12:41 PM
Surr: 4-Bromofluorobenzene	94.9	70-130	%Rec	1	4/22/2022 4:12:41 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/22/2022 10:34:35 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 7 of 17

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: BES22-08 4' Collection Date: 4/20/2022 10:35:00 AM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/24/2022 9:53:07 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/24/2022 9:53:07 PM
Surr: DNOP	68.3	51.1-141	%Rec	1	4/24/2022 9:53:07 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	4/22/2022 4:36:09 PM
Surr: BFB	98.2	37.7-212	%Rec	1	4/22/2022 4:36:09 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.019	mg/Kg	1	4/22/2022 4:36:09 PM
Toluene	ND	0.038	mg/Kg	1	4/22/2022 4:36:09 PM
Ethylbenzene	ND	0.038	mg/Kg	1	4/22/2022 4:36:09 PM
Xylenes, Total	ND	0.075	mg/Kg	1	4/22/2022 4:36:09 PM
Surr: 4-Bromofluorobenzene	96.2	70-130	%Rec	1	4/22/2022 4:36:09 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/22/2022 10:46:59 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range

RL Reporting Limit Page 8 of 17

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: BES22-06 4' Collection Date: 4/20/2022 3:00:00 PM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/24/2022 10:16:47 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/24/2022 10:16:47 PM
Surr: DNOP	69.4	51.1-141	%Rec	1	4/24/2022 10:16:47 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	4/22/2022 4:59:39 PM
Surr: BFB	94.8	37.7-212	%Rec	1	4/22/2022 4:59:39 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.019	mg/Kg	1	4/22/2022 4:59:39 PM
Toluene	ND	0.038	mg/Kg	1	4/22/2022 4:59:39 PM
Ethylbenzene	ND	0.038	mg/Kg	1	4/22/2022 4:59:39 PM
Xylenes, Total	ND	0.075	mg/Kg	1	4/22/2022 4:59:39 PM
Surr: 4-Bromofluorobenzene	94.6	70-130	%Rec	1	4/22/2022 4:59:39 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/22/2022 10:59:24 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 9 of 17

Lab ID:

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: BES22-07 4' Collection Date: 4/20/2022 3:05:00 PM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/24/2022 10:40:29 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/24/2022 10:40:29 PM
Surr: DNOP	67.6	51.1-141	%Rec	1	4/24/2022 10:40:29 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.3	mg/Kg	1	4/22/2022 5:23:10 PM
Surr: BFB	96.1	37.7-212	%Rec	1	4/22/2022 5:23:10 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.016	mg/Kg	1	4/22/2022 5:23:10 PM
Toluene	ND	0.033	mg/Kg	1	4/22/2022 5:23:10 PM
Ethylbenzene	ND	0.033	mg/Kg	1	4/22/2022 5:23:10 PM
Xylenes, Total	ND	0.066	mg/Kg	1	4/22/2022 5:23:10 PM
Surr: 4-Bromofluorobenzene	93.8	70-130	%Rec	1	4/22/2022 5:23:10 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/22/2022 11:11:49 PM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 10 of 17

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: BES22-09 4' Collection Date: 4/20/2022 3:10:00 PM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	4/25/2022 10:06:25 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	4/25/2022 10:06:25 AM
Surr: DNOP	75.4	51.1-141	%Rec	1	4/25/2022 10:06:25 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	4/22/2022 5:46:36 PM
Surr: BFB	99.2	37.7-212	%Rec	1	4/22/2022 5:46:36 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.018	mg/Kg	1	4/22/2022 5:46:36 PM
Toluene	ND	0.036	mg/Kg	1	4/22/2022 5:46:36 PM
Ethylbenzene	ND	0.036	mg/Kg	1	4/22/2022 5:46:36 PM
Xylenes, Total	ND	0.072	mg/Kg	1	4/22/2022 5:46:36 PM
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	4/22/2022 5:46:36 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/23/2022 12:51:06 AM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 11 of 17

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Client Sample ID: WES22-20 2' Collection Date: 4/20/2022 3:15:00 PM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	4/25/2022 10:30:09 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	4/25/2022 10:30:09 AM
Surr: DNOP	63.4	51.1-141	%Rec	1	4/25/2022 10:30:09 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.5	mg/Kg	1	4/22/2022 6:09:58 PM
Surr: BFB	97.0	37.7-212	%Rec	1	4/22/2022 6:09:58 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.018	mg/Kg	1	4/22/2022 6:09:58 PM
Toluene	ND	0.035	mg/Kg	1	4/22/2022 6:09:58 PM
Ethylbenzene	ND	0.035	mg/Kg	1	4/22/2022 6:09:58 PM
Xylenes, Total	ND	0.071	mg/Kg	1	4/22/2022 6:09:58 PM
Surr: 4-Bromofluorobenzene	98.2	70-130	%Rec	1	4/22/2022 6:09:58 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	61	mg/Kg	20	4/23/2022 1:03:32 AM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference S

- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 12 of 17

Analytical Report

Hall Environmental Analysis Laboratory, Inc.

Lab Order 2204982

Date Reported: 4/28/2022

CLIENT:	Vertex Resources Services, Inc.
Project:	Nymeyer A 1

Lab ID: 2204982-013 Client Sample ID: WES22-21 2' Collection Date: 4/20/2022 3:20:00 PM

Matrix: MEOH (SOIL) Received Date: 4/22/2022 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	4/26/2022 5:43:49 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	4/26/2022 5:43:49 PM
Surr: DNOP	52.9	51.1-141	%Rec	1	4/26/2022 5:43:49 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	4/22/2022 6:33:23 PM
Surr: BFB	96.5	37.7-212	%Rec	1	4/22/2022 6:33:23 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.018	mg/Kg	1	4/22/2022 6:33:23 PM
Toluene	ND	0.036	mg/Kg	1	4/22/2022 6:33:23 PM
Ethylbenzene	ND	0.036	mg/Kg	1	4/22/2022 6:33:23 PM
Xylenes, Total	ND	0.072	mg/Kg	1	4/22/2022 6:33:23 PM
Surr: 4-Bromofluorobenzene	96.7	70-130	%Rec	1	4/22/2022 6:33:23 PM
EPA METHOD 300.0: ANIONS					Analyst: MRA
Chloride	ND	60	mg/Kg	20	4/23/2022 1:15:57 AM

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

Qualifiers:

* Value exceeds Maximum Contaminant Level. D Sample Diluted Due to Matrix

- н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 13 of 17

Client:	Vertex	x Resources Services, Inc.	
Project:	Nyme	yer A 1	
Sample ID: N	/IB-67022	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: P	PBS	Batch ID: 67022	RunNo: 87446
Prep Date:	4/22/2022	Analysis Date: 4/22/2022	SeqNo: 3094481 Units: mg/Kg
Analyte Chloride		Result PQL SPK valu ND 1.5	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Sample ID: L	-CS-67022	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID: L	CSS	Batch ID: 67022	RunNo: 87446
Prep Date:	4/22/2022	Analysis Date: 4/22/2022	SeqNo: 3094482 Units: mg/Kg
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15.0	0 0 93.3 90 110
Sample ID: N	/IB-67027	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: P	PBS	Batch ID: 67027	RunNo: 87446
Prep Date:	4/22/2022	Analysis Date: 4/22/2022	SeqNo: 3094513 Units: mg/Kg
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		ND 1.5	
Sample ID: L	-CS-67027	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID: L	CSS	Batch ID: 67027	RunNo: 87446
Prep Date:	4/22/2022	Analysis Date: 4/23/2022	SeqNo: 3094514 Units: mg/Kg
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15.0	0 0 94.5 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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 14 of 17

2204982

28-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	Resources Services, Inc	2.							
Project: Nymeye	er A 1								
Sample ID: MB-67016	SampType: MBLK		Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 67016		R	unNo: 8 7	7468				
Prep Date: 4/22/2022	Analysis Date: 4/24/2	022	S	eqNo: 30	095125	Units: mg/K	g		
Analyte	Result PQL SP	K 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		95.3	51.1	141			
Sample ID: LCS-67016	SampType: LCS		Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 67016		R	unNo: 87	7468				
Prep Date: 4/22/2022	Analysis Date: 4/24/2	022	S	eqNo: 30	095126	Units: mg/K	g		
Analyte	Result PQL SP	YK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50 10	50.00	0	99.9	68.9	135			
Surr: DNOP	4.4	5.000		87.2	51.1	141			
Sample ID: MB-67012	SampType: MBLK		Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 67012		R	unNo: 87	7468				
Prep Date: 4/22/2022	Analysis Date: 4/24/2	022	S	eqNo: 30	095129	Units: mg/K	g		
Analyte	Result PQL SP	YK 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	51.1	141			
Sample ID: LCS-67012	SampType: LCS		Test	Code: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 67012		R	unNo: 8 7	7468				
Prep Date: 4/22/2022	Analysis Date: 4/24/2	022	S	eqNo: 30	095130	Units: mg/K	g		
Analyte	Result PQL SP	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52 10	50.00	0	104	68.9	135			
Surr: DNOP	4.4	5.000		88.3	51.1	141			

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range

RL Reporting Limit

Page 15 of 17

2204982

28-Apr-22

QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:	Vertex Resources Nymeyer A 1	Services	, Inc.							
Sample ID: mb	Sam	Type: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasoli	ine Rang	e	
Client ID: PBS	Bat	ch ID: G8	37443	F	unNo: 87	7443				
Prep Date:	Analysis	Date: 4/	22/2022	S	eqNo: 3	094733	Units: mg/Kg	I		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orgar Surr: BFB	ics (GRO) ND 970	5.0	1000		97.3	37.7	212			
Sample ID: 2.5ug	gro lcs Sam	Type: LC	S	Tes	tCode: EF	PA Method	8015D: Gasoli	ine Rang	e	
Client ID: LCSS	Bat	ch ID: G8	37443	F	tunNo: 8	7443				
Prep Date:	Analysis	Date: 4/	22/2022	S	eqNo: 3	094734	Units: mg/Kg	I		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Orgar	()	5.0	25.00	0	97.5	72.3	137			
Surr: BFB	2000		1000		202	37.7	212			
Sample ID: mb-6	5998 Sam	SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Bat	ch ID: 66	998	F	unNo: 87	7443				
Prep Date: 4/21	Analysis	Date: 4/	23/2022	S	eqNo: 3	094780	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		100	37.7	212			
Sample ID: Ics-66	5 998 Sam	Type: LC	S	Tes	tCode: EF	PA Method	8015D: Gasoli	ine Rang	e	
Client ID: LCSS	Bat	ch ID: 66	998	F	lunNo: 87	7443				
Prep Date: 4/21	Analysis	Date: 4/	23/2022	S	eqNo: 3	094781	Units: %Rec			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	2100		1000		206	37.7	212			

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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 16 of 17

2204982

28-Apr-22

	x Resources S yer A 1	Services,	, Inc.							
Sample ID: mb	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: B8	7443	F	RunNo: 8	7443				
Prep Date:	Analysis [Date: 4/	22/2022	S	SeqNo: 3	094801	Units: mg/K	g		
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		97.1	70	130			
Sample ID: 100ng btex lcs	s Samp	Гуре: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: B8	7443	F	RunNo: 8	7443				
Prep Date:	Analysis [Date: 4/	22/2022	5	SeqNo: 3	094802	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.4	80	120			
Toluene	0.89	0.050	1.000	0	89.1	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.7	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.5	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			
Sample ID: mb-66998	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 66	998	F	RunNo: 8	7443				
Prep Date: 4/21/2022	Analysis [Date: 4/	23/2022	5	SeqNo: 3	094846	Units: %Red	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.99		1.000		99.3	70	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 range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 17 of 17

2204982

28-Apr-22

Page 267 of 271

1 uze 400 0/ 4/1	Page	268	of 271	l
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HALL ENVII ANAL	D: 6/13/2023 8:27:40 A Ronmental Ysis Ratory	Hall Environme TEL: 505-345-2	ntal Analysis Labo 4901 Hawk Albuquerque, NM 3975 FAX: 505-34, w.hallenvironment	ins NE 87109 Sar 5-4107	nple Log-In Check L	Page 20 .ist
Client Name:	Vertex Resources Services, Inc.	Work Order Num	ber: 2204982		RcptNo: 1	
Received By:	Cheyenne Cason	4/22/2022 8:00:00	АМ	chul		
Completed By:	Desiree Dominguez	4/22/2022 8:22:23	AM	TD		
Reviewed By:	Cm	4/22/20				
Chain of Cus	stody					
1. Is Chain of C	sustody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the	sample delivered?		Courier			
Log In 3. Was an atten	npt made to cool the sampl	es?	Yes 🔽	No 🗌		
4 14/						
4. Were all sam	ples received at a temperat	ure of >0° C to 6.0°C	Yes 🗹	No 🗌		
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sam	ple volume for indicated te	st(s)?	Yes 🔽	No 🗌		
7. Are samples (except VOA and ONG) pro	perly preserved?	Yes 🔽	No 🗌		
8. Was preserva	tive added to bottles?		Yes	No 🔽	NA 🗌	
9. Received at le	ast 1 vial with headspace <	<1/4" for AQ VOA?	Yes 🗌	No 🗌		
10. Were any sar	nple containers received br	oken?	Yes	No 🗹	# of preserved	
11. Does paperwo	ork match bottle labels?		Yes 🔽	No 🗆	bottles checked for pH:	/
	ancies on chain of custody)		Tes 💌		(<2 or >12 unless	noted)
2. Are matrices of	correctly identified on Chain	of Custody?	Yes 🔽	No 🗌	Adjusted?	
3. Is it clear what	t analyses were requested?		Yes 🔽	No 🗌		ſ
	ng times able to be met? ustomer for authorization.)		Yes 🗹	No 🗌	Checked by: JN 4/2	2 22
pecial Handl	ing (if applicable)					
15. Was client no	tified of all discrepancies w	ith this order?	Yes 🗌	No 🗌	NA 🗹	
Person	Notified:	Date:				
By Who	m:	Via:	eMail 🔲	Phone 🗌 Fax	In Person	
Regardi	and the second sec					
Client Ir	structions:					
16. Additional rer	marks:					
17. <u>Cooler Infor</u> Cooler No 1 2	Temp °C Condition 2.1 Good 0.4 Good	Seal Intact Seal No	Seal Date	Signed By		

								4	I	ALL	Z	ITA	HALL ENVIRONMENTAL	NTAL
Molling	Ver tex	er.		□ Standard	Rush.	Ч				INAL	No.	U	ANALYSTS LABORATORY	ACT
Molling				Project Name:						ed www	lanviro		www.hallenvironmental.com	
BIIIIBIN	Mailing Address:	00	E)'/d	sohrenhy	A	#1	,	1901 F	awkin	4901 Hawkins NE -			Albuquerque NM 87109	
				Project #:				Tel. 505-345-3975	5-345	-3975		x 505	505-345-4107	
Phone #:	#:			226-	96100-					A	Analysis Request	s Red	luest	
email or Fax#:	r Fax#:			Project Manag	iger:		-	10			⁺C	-	(t)	-
QA/QC Packa	QA/QC Package:	/	Level 4 (Full Validation)	Char	Chance Dixon	2	1208) s'	PCB's O / MR(SIMIS	PO₄, S	-	nəsdA\t	
Accreditation:	tation:	D Az Co	Az Compliance	Sampler: CZ	0			1.1		1/70	0 ^{5'}	_	uəse	
	AC	□ Other		On Ice:	pa Yes	ON []		1.1	-	-	Ν '	(A	Pre	_
	EDD (Type)			# of Coolers:	12 2	-0221			100		_	11.3) ա	
				Cooler Temp(including CF): 0.4 - 0.20.4	(including CF): 🕜	4-020.4 (°C)						() () () () () () () () () ()	olifo	
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	2204982	1			PAHs I	1	S) 0228	D listoT	
4150	10:00	50:1	NES22-16 3'		HCe		P						-	
	20:01	-	WESEC-16 6'	-	-	200-						-		
	01:01		WES22-17 3'			- 003								
	51:01		WESZENT 6'			-00H								
	10:00		WES22-18 3'			-00S			5			-		
	10:25		WES22-18 6'			- 006								
	10:30		LES22-19 2			±00 -						-		
	10:35		BESZZ-08 4			800 -								
	5:00		BESZZ-06 4'			- 009								
	3:05		BESE2-07 4			010-	-							
	3:10		BESZZ-09 4'			- 011								
	3:15		LES22-20 2'	-		-017.								
Date!	Time:	Relinquished by:		Received by:	Via:	ate	Remarks:	ks:					-	
Date	Time:	Relinguished by:	ed by:	Received hv	VIA-V	14/12 150								
0	90	Rep			Y									

ient: Image: Standard Image: St	CCE-00/96 Analysis Requ CCE-00/96 Analysis Requ E: DRO / MRO CAADCE ひぶのの DRO / MRO CAADCE ひぶのの DRO / MRO Samular: A Samular: A Samular: A Samular: A	Matrix Sampler: CD Matrix Sample Matrix Sample	3:00 2017 1222527 2.02			Time: Relinquished by: Received by: Vai: Date Time: Relinquished by: Received by: Via: Date	Relinquished	Image: Standard Rush Project Name: Nymey EF N#H Project Name: Nymey EF N#H Project H: ZEE-00/96 Project Manager: CMAnce Dixol Dn Sampler: 2.1-0 Sampler: Color Temp(instuding CF):0.4 Project Manager: 2.1-0 Container Preservative Type and # Type Container Preservative NM Via: Received by: Via: M M	4 (°C) 4 (°C) 14982 013 013		EDB (Wethod 504.1)	All All All All All	CI) E' BL' NO ³ ' NO ³ ' BO ⁴ ' SO ⁴	VIII 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Environmental com State Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ Provinonmental com Br/ NO ₃ , NO ₂ , PO ₄ , SO ₄ Albuquerque, NM 87109 Albuquerque, NM 87109 S270 (Semi-VOA) Fax 505-345-4107 Fax 505-345-4107 Total Coliform (Present/Absent) Albuquerque No No Albuquerque No No No Albuquerque No No No No Albuquerque No No No No No Albuquerque No No No No No No Albuquerque No No No No No No No No Albuquerque No No No No No No No No Albuquerque No Albuquerque No No No No No No No No Albuquerque No No No No No No No No </th <th>۲Å</th>	۲Å
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District I 1625 N. French Dr., Hobbs, NM 88240 Phone: (575) 393-6161 Fax: (575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Operator:	OGRID:
BTA OIL PRODUCERS, LLC	260297
104 S Pecos	Action Number:
Midland, TX 79701	226792
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NAPP2201957333 NYMEYER A #1 TANK BATTERY, thank you. This closure is approved. 11/6/2023 rhamlet

Action 226792

Condition Date
