

March 28, 2023 Vertex Project #: 22E-00123-01

Spill Closure Report: Dayton ER Battery

Unit I, Section 21, Township 18 South, Range 26 East

API: 30-015-21629 County: Eddy

Incident Report: NMLB1122253079/2RP-824

Prepared For: EOG Resources Inc.

104 South 4th Street

Artesia, New Mexico 88210

New Mexico Oil Conservation Division - District 2 - Artesia

811 South 1st Street Artesia, New Mexico 88210

EOG Resources, Inc. (EOG) retained Vertex Resource Services Inc. (Vertex) to conduct a spill assessment and remediation for a release that was discovered on June 3, 2011, at Dayton ER Battery (hereafter referred to as "Dayton"). EOG submitted an initial C-141 Release Notification (Attachment 1) to New Mexico Oil Conservation Division (NMOCD) District 2 on June 17, 2011. Incident ID number NMLB1122253079 was assigned to the incident.

This letter provides a description of the 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 the closure of this remediation site, with the understanding that remediation of the site was conducted in a manner to achieve the requirements of 19.15.29.13.

Incident Description

On June 3, 2011, a release at EOG's Dayton site occurred when a valve broke during work on a gas line. This resulted in the release of 70 barrels (bbls) of produced water/condensate onto the constructed pad. After the release, a vacuum truck was brought on-site to recover the fluids. Approximately 60 bbls of fluids were recovered. No fluids were released into waterways.

Site Characterization

The release at Dayton occurred on private land at 32.732459° N, 104.382115° W, approximately 2.7 miles southeast of Atoka, New Mexico. The legal description for the site is Unit I, Section 21, Township 18 South, Range 26 East in Eddy County, New Mexico. This location is within the Permian Basin in southeast New Mexico and has historically been used for oil and gas exploration and production, and rangeland.

Dayton is typical of sites in the western Permian Basin and is currently used for storage of oil and gas. The following sections specifically describe the release area on the north edge of the constructed pad (Attachment 2 – Figure 1).

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The surrounding landscape is associated with hills, plains, and ridges with elevations ranging between 1,250 and 4,800 feet. The climate is semiarid with average annual precipitation ranging between 10 and 25 inches. Using information from the United States Department of Agriculture, the dominant vegetation was determined to be principally black grama (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 Dayton is comprised primarily of Qp — Piedmont alluvial deposits from the Holocene to lower Pleistocene ages (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 Reeves loam association. The soil is well-drained with a high runoff. The karst geology potential for Dayton is low (United States Department of the Interior, Bureau of Land Management, 2022).

There is no surface water located at Dayton. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is the Pecos River located approximately 4.2 miles east of the site. At Dayton, 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 data to Dayton is an NMOSE monitoring well located approximately 0.12 miles northeast of the site (New Mexico Office of State Engineers, 2022). Data from 2022 shows that the NMOSE borehole was dry at 55 feet below ground surface (bgs). Information pertaining to the depth to groundwater determination is included in Attachment 4.

Closure Criteria Determination

Using site characterization information, a closure criteria determination worksheet (Attachment 4) was completed to determine if the release was subject to any of the special case scenarios outlined in Paragraph (4) of Subsection C of 29.15.29.12 NMAC.

Based on the data included in the closure criteria determination worksheet, the release at Dayton 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 closure than 0.5 miles from the release site; therefore, the depth to groundwater can accurately be determined. The closure criteria for the site are determined to be associated with the following constituent concentration limits (Table 1).

The volume of the release was 70 bbls of produced water within the lease boundary with approximately 60 bbls recovered. In accordance with NMAC 19.15.29.11.A.5.c.ii, as the volume of unrecovered produced water did not exceed 200 bbls, vertical delineation to NMOCD's strictest criteria was not required.

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Table 1. Closure Criteria for Soils to Remediation & Reclamation Standards								
	Constituent							
0.4 foot has (10.15.20.12)	Chloride	600 mg/kg						
0-4 feet bgs (19.15.29.13)	TPH (GRO+DRO+MRO)	100 mg/kg						
	Chloride	10,000 mg/kg						
	TPH (GRO+DRO+MRO)	2,500 mg/kg						
DTGW 51-100 feet (19.15.29.12)	GRO+DRO	1,000 mg/kg						
	BTEX	50 mg/kg						
	Benzene	10 mg/kg						

TDS – total dissolved solids, TPH – total petroleum hydrocarbons, GRO – gas range organics, DRO – diesel range organics, MRO – motor oil range organics, BTEX – benzene, toluene, ethylbenzene and xylenes

Remedial Actions

An initial site inspection of the spill area was completed on November 2, 2021, which identified the area of the spill specified in the initial C-141 report which provided the volume of the spill. The impacted area was determined to be approximately 107 feet long and 87 feet wide; the total affected area was determined to be 6,204 square feet. The DFR associated with the site inspection was included in the NMOCD Remediation Plan. Additional horizontal delineation was completed after excavation to determine the east and west extents. The DFR associated with the additional sampling is included in Attachment 2. Samples from the additional delineation were submitted for laboratory analysis. The release area was fully delineated and laboratory analysis was included in the remediation plan.

A remediation plan was completed and submitted to NMOCD for approval to complete fieldwork. Remediation began to meet NMOCD's 51-100' on-pad criteria and off-pad criteria for the top four feet in the pasture portion of the excavation. An aerial view site schematic was included with the remediation plan.

Remediation efforts began on May 26, 2022, to excavate to NMOCD's 51-100 closure criteria. Vertex personnel supervised the excavation of impacted soils. Field screening was completed each day on multiple sample points. Field screening results were used to identify areas requiring further remediation from those areas showing concentrations below determined closure criteria levels. Soils were removed to a depth of 1-foot bgs and 4 feet bgs. Impacted soil was transported by a licensed waste hauler and disposed of at an approved waste management facility. Field screening results are presented in Table 2 (Attachment 3), as well as initial and final Daily Field Reports in Attachment 5. The site schematic of the first confirmation sampling events can be found in Figure 2 (Attachment 2).

Notification that confirmatory samples were being collected was provided to the NMOCD on May 26, 2022, (Attachment 6). Confirmatory composite samples were collected from the base and walls of the excavation in 200-square-foot increments. A total of 20 samples were collected for laboratory analysis following NMOCD soil sampling procedures. Samples were submitted to Hall Environmental Analysis Laboratory under chain-of-custody protocols and analyzed for BTEX (EPA Method 8021B), Total Petroleum Hydrocarbons (GRO, DRO, MRO – EPA Method 8015D) and Total Chlorides (EPA Method 300.0). Laboratory results are presented in Table 2, Attachment 3 and the laboratory data report can be found in Attachment 6. All confirmatory samples collected and analyzed were below closure criteria for the site.

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Additional sampling was conducted to assess one wall sample that was above closure criteria and an additional wall sample was added to the pasture excavation to show all walls were below criteria. Notification of additional confirmation sampling is included in Attachment 6.

After the first remediation efforts were completed, EOG determined that the Dayton remediation needed to be completed to the reclamation standards of NMAC 19.15.29.13. Remediation efforts then continued on December 13, 2022. During excavation activities, from December 13, 2022, to March 1, 2023, EOG provided 13 notifications of confirmation sampling to NMOCD (Attachment 6). The release was remediated horizontally and vertically to reclamation criteria with a Vertex representative on-site to conduct field screening procedures. The final square footage of the excavation was 13,159 square feet. The excavation was completed on March 1, 2023, with all contaminated material hauled to Lea Land Disposal Site New Mexico.

From December 13, 2022, through March 1, 2023, Vertex collected a total of 81 five-point composite confirmatory samples from the base and sidewalls of the excavation, at depths ranging between the ground surface and 4 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. 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.

Field screening consisted of analysis using a Photo Ionization Detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons), and Titration (chlorides).

Laboratory analyses included Method 300.0 for chlorides, Method 8021B for volatile organics, including BTEX, and EPA Method 8015 for TPH, including GRO, DRO, and MRO. Confirmatory sample analytical data are summarized in Attachment 3. 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 in Figure 3 (Attachment 2). Relevant equipment and prominent features/reference points at the site are mapped as well.

Closure Request

Vertex recommends no additional remediation action to address the release at Dayton. Laboratory analyses of confirmation samples collected at Dayton show final confirmatory values below NMOCD remediation closure criteria for areas where depth to groundwater is between 51 feet and 100 feet, with the top four feet meeting reclamation requirements of NMAC 19.15.29.13. Laboratory analysis and field screen results are shown in Table 2, Attachment 3. There are no anticipated risks to human, ecological, or hydrological receptors at this release site.

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

Vertex and EOG request that this incident (NMLB1122253079) be closed as all requirements set forth in Subsection E vertex.ca

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of 19.15.29.12 NMAC have been met. EOG certifies that all information in this report and the attachments are 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 release.

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 B.Sc. 3/28/2023
Date

SR. ENVIRONMENTAL TECHNOLOGIST, REPORTING

Attachments

Attachment 1. NMOCD C-141 Report

Attachment 2. Figures

Attachment 3. Summarized Lab Data Tables

Attachment 4. Closure Criteria for Soils Impacted by a Release Research Determination Documentation

Attachment 5. Daily Field Reports with Photographs

Attachment 6. Required 48-Hour Notifications of Confirmatory Sampling to Regulatory Agencies

Attachment 7. Laboratory Data Reports and Chain of Custody Forms

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References

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- Point of Diversion Location Report. New Mexico Water Rights Reporting System, (2019). Retrieved from http://nmwrrs.ose.state.nm.us/nmwrrs/wellSurfaceDiversion.html
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Natural Resources and Wildlife Oil and Gas Releases. New Mexico Oil Conservation Division, (2019). Santa Fe, New Mexico.

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Limitations

This report has been prepared for the sole benefit of EOG Resources, Inc. 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 EOG Resources, Inc. Any use of this report by a third party, or any reliance on decisions made based on it, or damages suffered as a result of the use of this report are the sole responsibility of the user.

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

ATTACHMENT 1

1625 N. French Dr., Hobbs, NM \$8240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 19001 Rio Brazos Road Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division

JUN 17 2011

RECEIVED

Form C-141 Revised October 10, 2003

NMOCD ARTES

Copies to appropriate Office in accordance rith Rule 116 on back

2RP-824

1220 South St. Francis Dr. 1200 S. St. Francis Dr., Santa Fe, NM 87505 side of form Santa Fe, NM 87505 Release Notification and Corrective Action MLB1/22253079 **OPERATOR** Final Report Name of Company **OGRID** Number Contact Yates Petroleum Corporation 25575 Amanda Trujillo Address Telephone No. 104 S 4111 Sucet 575-748-1471 Facility Type Facility Name API Number Order Number Dayton ER 30-015-21629 battery 2RP-**824** Surface Owner Mineral Owner Lease No. Fee LOCATION OF RELEASE Para Letter Section Township Range Feet from the North/South Line Feet from the East/West Line County 26E 2310 SOUTH **EDDY** 18S **EAST** NATURE OF RELEASE fyne of Release Volume Recovered Volume of Release WATER 70 Source of Release Date and Hour of Occurrence Date and Hour of Discovery Valve broke 06/03/2011 06/03/2011-PMI Was Immediate Notice Given? If YES, To Whom? Mike Bratcher - NMOCD/Artesia By Whom? Date and Hour Bob Asher - Yates Petroleum Corporation 06/03/2011 pm Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. 🗌 Yes 🛛 No If a Watercourse was Impacted, Describe Fully, 1.4 Describe Cause of Problem and Remedial Action Taken.* White working on a 2" valve, the valve broke. The others valves were closed to mitigate the damage but several valves did not hold. After getting valves to hold a vacuum truck was called to pick up standing fluid. Describe Area Affected and Cleanup Action Taken.* In approximate size of 03' x 30' was impacted. The impacted area is located near the water tank. Vertical and horizontal delineation samples will taken and analysis ran for IPH and BTEX once all contaminated material has been removed. Depth to Ground Water: >100' (approx. 134', per New Mexico State Engineers Office); Wellhead Protection Area: No; Distance to Surface Water Body: >1000'; SITE RANKING IS 20. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local Jaws and/or regulations. Signed By Signature: D Approved by District Supervisor. Printed Name. Amanda Trujillo Approval Dat AUG l'itle: Environmental Scientist Expiration Date: E-mail Address atrujilloa/yatespetrokum.com Conditions of Approval: Attached Remediation per OCD Rules &

Guidelines. SUBMIT REMEDIATION

PROPOSAL NOT LATER THAN: 9/10/2011

Date Friday, June 17, 2011

Attach Additional Sheets II Necessary

Phone: 575-748-4310

Received by OCD: 4/20/2023 9:16:46 AM Form C-141 State of New Mexico Page 2 Oil Conservation Division

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Incident ID	nMLB1122253079
District RP	2RP-824
Facility ID	210 021
Application ID	

	T	
Was this a major	If YES, for what reason(s) does the responsibl	e party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Greater than 25 bbls released.	
19.13.29.7(11) 14141110.	Greater than 23 0018 released.	
X Yes No		
If YES, was immediate n	notice given to the OCD? By whom? To whom?	When and by what means (phone, email, etc)?
Yes, email to Mike Br	ratcher via email 6/03/2011 by Amanda Trujillo	
	Initial Resp	onse
The responsible	party must undertake the following actions immediately unle	ess they could create a safety hazard that would result in injury
X The source of the rele	ease has been stopped.	
	as been secured to protect human health and the	environment.
_ •	ave been contained via the use of berms or dikes	
	recoverable materials have been removed and ma	
	ed above have <u>not</u> been undertaken, explain why:	
If all the actions described	a above have <u>not</u> been undertaken, explain why.	
Per 19.15.29.8 B. (4) NM	MAC the responsible party may commence remed	diation immediately after discovery of a release. If remediation
		ts have been successfully completed or if the release occurred
within a lined containmen	nt area (see 19.15.29.11(A)(5)(a) NMAC), pleas	e attach all information needed for closure evaluation.
		of my knowledge and understand that pursuant to OCD rules and
		ons and perform corrective actions for releases which may endanger does not relieve the operator of liability should their operations have
		groundwater, surface water, human health or the environment. In
	of a C-141 report does not relieve the operator of respo	onsibility for compliance with any other federal, state, or local laws
and/or regulations.		
Printed Name: Chase	se Settle T	itle: Rep Safety & Environmental Sr
Signature: Chana.	Settle I	oate: 05/26/2022
email: <u>Chase_Settle@</u>	eogresources.com Te	elephone:575-748-4171
OCD O		
OCD Only		
Received by:	Da	te:

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Incident ID	nMLB1122253079
District RP	2RP-824
Facility ID	
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?	> 55 (ft bgs)
Did this release impact groundwater or surface water?	Yes X No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes X 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 X 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 X 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 X No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics	tical extents of soil

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
- X Boring or excavation logs
- X Photographs including date and GIS information
- 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.

Received by OCD: 4/20/2023 9:16:46 AM Form C-141 State of New Mexico
Page 4 Oil Conservation Division

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ncident ID	nMLB1122253079
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Application ID

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Chase Settle

Title: Rep Safety & Environmental Sr

Signature: Chase Settle@eogresources.com

Telephone: 575-748-4171

OCD Only

Received by: Mike Buchanan

Date: 05.01.2023

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.
 X Detailed description of proposed remediation technique X Scaled sitemap with GPS coordinates showing delineation points X Estimated volume of material to be remediated X Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC X Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)
Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.
Deterral Requests Only: Each of the following tiems must be confirmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
Extents of contamination must be fully delineated.
Contamination does not cause an imminent risk to human health, the environment, or groundwater.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.
Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 05/26/2022
email: <u>Chase_Settle@eogresources.com</u> Telephone: <u>575-748-1471</u>
OCD Only
Received by: Mike Buchanan Date: 05/01/2023
Approved
Signature: Michael Buchanan Date: 05/01/2023

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Incident ID	nMLB1122253079
District RP	2RP-824
Facility ID	
Application ID	

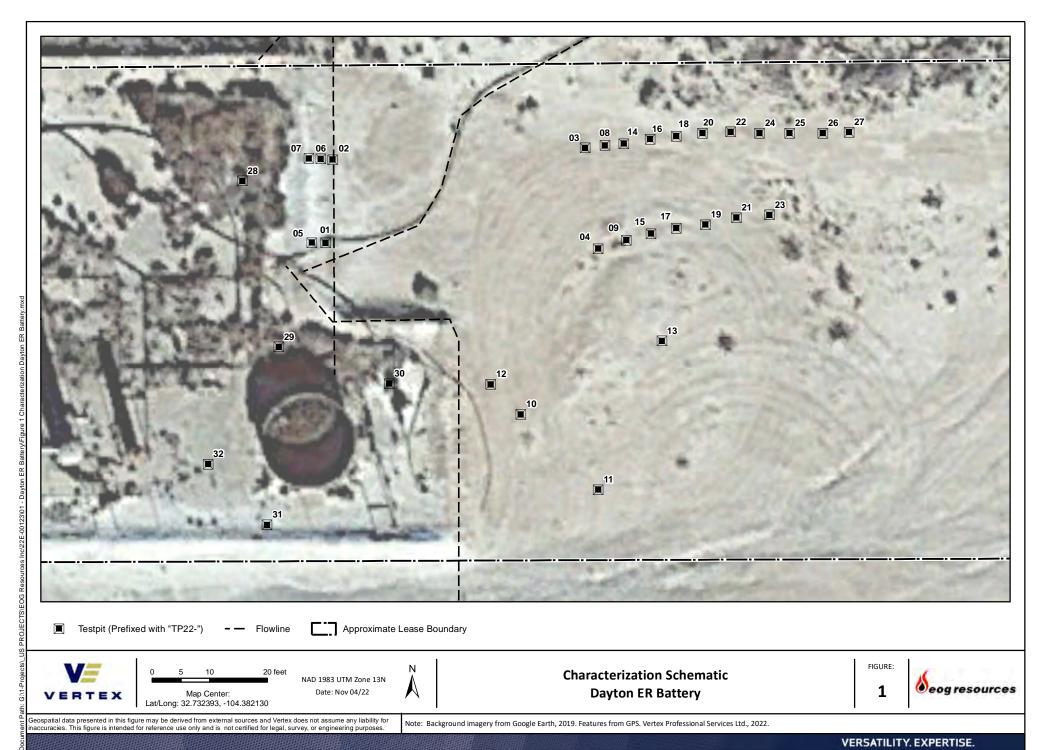
Closure

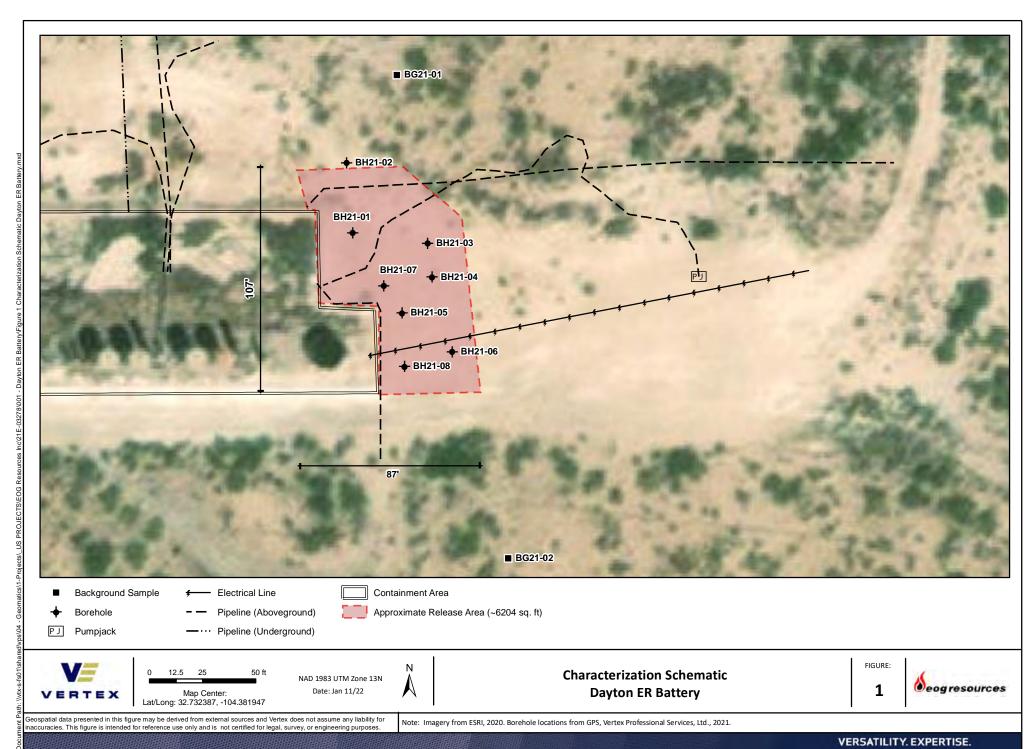
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled 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.

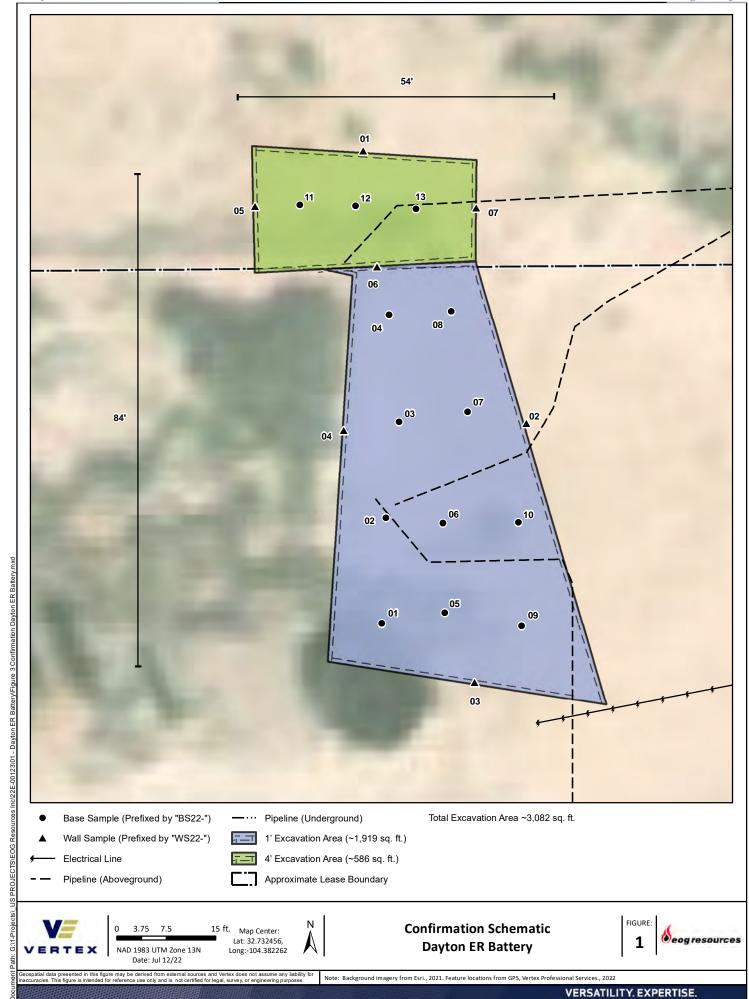
Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

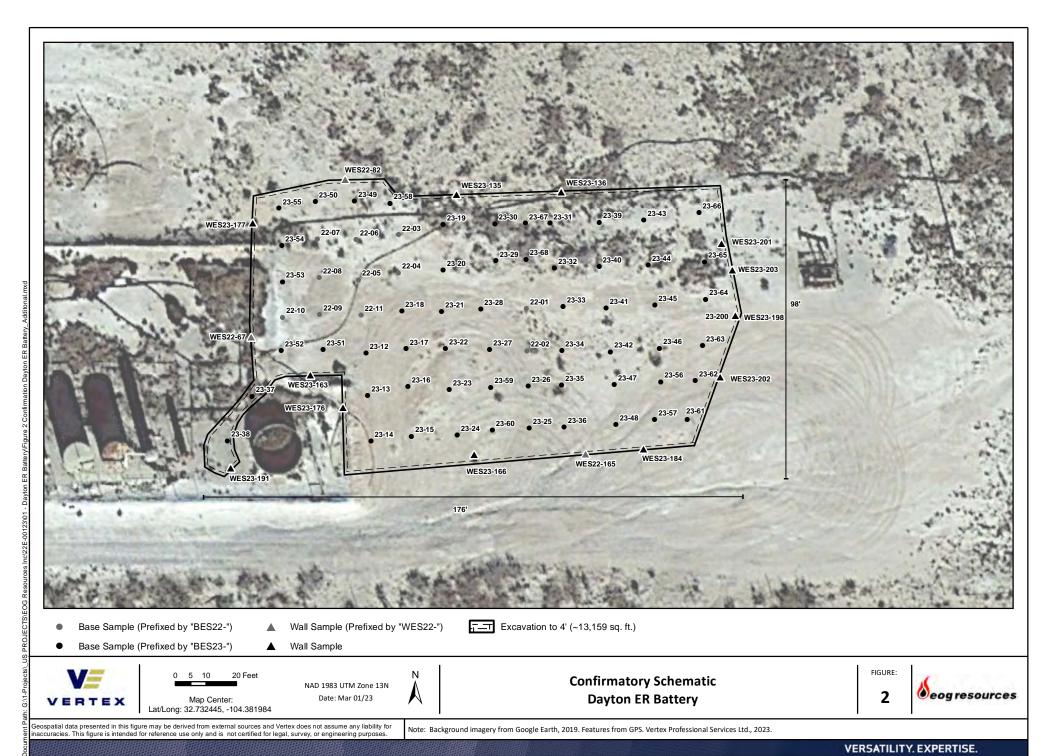
\boxed{X} A scaled site and sampling diagram as described in 19.15.29.11	NMAC
X Photographs of the remediated site prior to backfill or photos of must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
X Laboratory analyses of final sampling (Note: appropriate ODC	District office must be notified 2 days prior to final sampling)
X Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of a	cediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ions. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr
Signature: Chase Settle	Date: 3/28/2023
email: chase.settle@eogresources.com	Telephone: <u>575-703-1471</u>
OCD Only	
Received by: Mike Buchanan	Date: 05.01.2023
	of liability should their operations have failed to adequately investigate and vater, human health, or the environment nor does not relieve the responsible r regulations.
Closure Approved by: Michael Buchanan	Date: _05.01.2023
Printed Name: Michael Buchanan	Title: Environmental Specialist

ATTACHMENT 2









ATTACHMENT 3

Client Name: EOG Resources, Inc. Site Name: Dayton ER Battery

NM OCD Tracking #: NMLB1122253079, 2RP-824

Project #: 22E-00123

Lab Report(s): 2111132, 2111219, 2111130

		al Characterizatio				oratory R		•			et bgs	1
:	Sample Descrip	otion		Field Screening Petroleum Hydrocarbons Volatile Extractable					Inorganic			
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds	Extractable Organic Gompounds (PetroFlag)	Chloride Concentration	Benzene (mg/kg)	(May/8m)	(GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics	Total Petroleum 为 Hydrocarbons (TPH)	(ga/kg) Chloride Concentration
BG21-01	0	2021-11-01	0	- (PP)	0	ND	ND	ND	ND	ND	ND	ND
BG21-01	1	2021-11-01	0	_	0	ND	ND	ND	ND	ND	ND	ND
BG21-01	2	2021-11-01	0	-	883	ND	ND	ND	ND	ND	ND	270
BG21-01	3	2021-11-01	0	_	2,457	ND	ND	ND	ND	ND	ND	600
BG21-01	4	2021-11-01	0	_	1,150	ND	ND	ND	ND	ND	ND	140
BG21-01	5	2021-11-01	0	_	4,185	ND	ND	ND	ND	ND	ND	840
BG21-01	6	2021-11-01	0	-	4,351	ND	ND	ND	ND	ND	ND	670
BG21-01	7	2021-11-01	0	-	3,909	ND	ND	ND	ND	ND	ND	500
BG21-01	8	2021-11-01	0	-	3,175	ND	ND	ND	ND	ND	ND	690
BG21-02	0	2021-11-02	0	-	72	ND	ND	ND	ND	ND	ND	ND
BG21-02	1	2021-11-02	0	-	259	ND	ND	ND	ND	ND	ND	ND
BG21-02	2	2021-11-02	0	-	710	ND	ND	ND	ND	ND	ND	240
BG21-02	3	2021-11-02	0	_	1,362	ND	ND	ND	ND	ND	ND	570
BG21-02	4	2021-11-02	0	-	3,667	ND	ND	ND	ND	ND	ND	410
BG21-02	5	2021-11-02	0	_	3,821	ND	ND	ND	ND	ND	ND	530
BG21-02	6	2021-11-02	0	-	2,391	ND	ND	ND	ND	ND	ND	480
BH21-01	0	2021-11-01	0	-	8,411	ND	ND	ND	630	580	1210	12000
BH21-01	1	2021-11-01	0	-	7,689	-	-	-	-	-	-	-
BH21-01	2	2021-11-01	0	_	7,974		_	_	_	_	_	_
BH21-01	3	2021-11-01	0	_	11,416	-	-	_	-	-	-	_
BH21-01	4	2021-11-01	0	36	7,847	ND	ND	ND	ND	ND	ND	4000
BH21-01	5	2021-11-01	0	-	3,650	-	-	-	-	-	-	-
BH21-01	6	2021-11-01	0	_	2,543	_	_	_	-	_	_	_
BH21-01	7	2021-11-01	0	-	2,411	-	-	_	_	-	-	_
BH21-01	8	2021-11-01	0	-	2,385	ND	ND	ND	ND	ND	ND	900
BH21-01	9	2021-11-01	0	_	1,636		-		-	-	-	-
BH21-01	10	2021-11-01	0	_	1,628	-	_	_	_	-	_	_
BH21-01	11	2021-11-01	0	_	1,190	ND	ND	ND	ND	ND	ND	790
BH21-02	0	2021-11-01	0		1,551	ND	ND	ND	ND	ND	ND	170
BH21-02	1	2021-11-01	0	_	1,840	-	-	-	-	-	-	-
BH21-02	2	2021-11-01	0	-	3,116	ND	ND	ND	ND	ND	ND	780
BH21-02	3	2021-11-01	0	_	3,331	-	-	-	-	-	-	-
BH21-02	4	2021-11-01	0	77	1,042	ND	ND	ND	ND	ND	ND	800
BH21-02	5	2021-11-01	0	-	2,641	-	-	-	-	-	-	-
BH21-02	6	2021-11-01	0	-	1,444	ND	ND	ND	ND	ND	ND	420
BH21-02	7	2021-11-01	0	-	1,534	-	-	-	-	-	-	<u> </u>
BH21-02	8	2021-11-01	0	11	2,518	ND	ND	ND	ND	ND	ND	560
BH21-03	0	2021-11-01	0	-	1,355	ND	ND	ND	43	93	136	750
BH21-03	1	2021-11-01	0	-	2,089	-	-	-	-	-	-	-
BH21-03	2	2021-11-01	0	-	2,212	ND	ND	ND	ND	ND	ND	1300
BH21-03	3	2021-11-01	0	-	5,243	-	-	-	-	-	-	-
BH21-03	4	2021-11-01	0	55	2,405	ND	ND	ND	ND	ND	ND	2200
BH21-03	5	2021-11-01	0	-	2,802	-	-	-	-	-	-	-
BH21-03	6	2021-11-01	0	-	2,649	ND	ND	ND	ND	ND	ND	1700
BH21-03	7	2021-11-01	0	-	5,973	-	-	-	-	-	-	-
BH21-03	8	2021-11-01	0	66	3,157	ND	ND	ND	ND	ND	ND	3500
	0		0	20	1,779	ND	ND	ND	ND	ND	ND	590
BH21-04	U	2021-11-02	U	20	1,779	אט	ND	טאו	טאו	טאו	ND	590



	Sample Descrip		n Sample I	eld Screeni	ng							
	-ampic Descrip		<u> </u>	JCI CCIII	·· ·	Petroleum Hydrocarbons Volatile Extractable						Inorgan
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds	Extractable Organic Gompounds (PetroFlag)	Chloride Concentration	Benzene (mg/kg)	(mg/kg)	Gasoline Range Organics	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum	سالا (کیار) A Chloride Concentration
BH21-04	1	2021-11-02	0	-	3,222	-	-	-	-	-	-	-
BH21-04	2	2021-11-02	0	-	6,122	ND	ND	ND	ND	ND	ND	2400
BH21-04	3	2021-11-02	0	-	5,514	-	-	-	-	-	-	-
BH21-04	4	2021-11-02	0	-	5,523	ND	ND	ND	ND	ND	ND	2000
BH21-04	5	2021-11-02	0	-	3,498	-	-	-	-	-	-	-
BH21-04	6	2021-11-02	0	-	2,768	ND	ND	ND	ND	ND	ND	670
BH21-04	7	2021-11-02	0	- 19	1,622 1,473	- ND	- ND	- ND	- ND	- ND	- ND	400
BH21-04 BH21-05	8	2021-11-02 2021-11-02	0	35	4,210	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	400 4100
BH21-05	1	2021-11-02	0	-	6,125	-	-	-	-	-	-	-100
BH21-05	2	2021-11-02	0	-	6,273	ND	ND	ND	ND	ND	ND	2300
BH21-05	3	2021-11-02	0	-	5,791	-	-	-	-	-	-	-
BH21-05	4	2021-11-02	0	-	8,114	ND	ND	ND	ND	ND	ND	5200
BH21-05	5	2021-11-02	0	-	4,619	-	-	-	-	-	-	-
BH21-05	6	2021-11-02	0	-	3,142	ND	ND	ND	ND	ND	ND	2600
BH21-05	7	2021-11-02	0	-	3,010	-	-	-	-	-	-	-
BH21-05	7.5	2021-11-02	0	86	3,002	ND	ND	ND	ND	ND	ND	1800
BH21-06	0	2021-11-02	0	25	401	ND	ND	ND	ND	ND	ND	220
BH21-06 BH21-06	2	2021-11-02	0	-	2,732 4,464	- ND	- ND	- ND	- ND	- ND	- ND	1000
BH21-06	3	2021-11-02 2021-11-02	0	-	4,404	-	-	- ND	-	-	-	1000
BH21-06	4	2021-11-02	0	-	2,359	ND	ND	ND	ND	ND	ND	900
BH21-06	5	2021-11-02	0	-	3,671	-	-	-	-	-	-	-
BH21-06	6	2021-11-02	0	-	1,822	ND	ND	ND	ND	ND	ND	330
BH21-06	7	2021-11-02	0	-	1,197	-	-	-	-	-	-	-
BH21-06	7.5	2021-11-02	0	43	1,193	ND	ND	ND	ND	ND	ND	270
BH21-07	0	2021-11-02	0	6,500	8,291	ND	ND	ND	640	700	1340	6800
BH21-07	1	2021-11-02	0	-	6,931	-	-	-	-	-	-	-
BH21-07	2	2021-11-02	0	-	9,144	ND	ND	ND	ND	ND	ND	5500
BH21-07	3	2021-11-02	0	-	6,865	-	-	-	-	-	-	-
BH21-07	5	2021-11-02	0	-	7,067 8,297	ND -	ND -	ND -	ND -	ND -	ND -	3800
BH21-07 BH21-07	6	2021-11-02 2021-11-02	0	-	4,937	-	_		_	_	_	_
BH21-07	6.5	2021-11-02	0	28	2,597	ND	ND	ND	- ND	- ND	ND	4100
BH21-08	0.5	2021-11-02	0	196	2,657	ND	ND	ND	ND	ND	ND	1700
BH21-08	1	2021-11-02	0	-	2,114	-	-	-	-	-	-	-
BH21-08	2	2021-11-02	0	-	4,415	ND	ND	ND	ND	ND	ND	690
BH21-08	3	2021-11-02	0	-	4,036	-	-	-	-	-	-	
BH21-08	4	2021-11-02	0	-	1,718	ND	ND	ND	ND	ND	ND	660
BH21-08	5	2021-11-02	0	-	1,079	-	-	-	-	-	-	-
BH21-08	6	2021-11-02	0	-	1,232	- ND	-	- ND	-	-	- ND	-
BH21-08	6.5	2021-11-02	0	84	1,713	ND	ND	ND	ND	ND	ND	800
BH22-09	0	2022-06-29	0	89 115	72 3,181		1				1	1
BH22-09	0	2022-06-29	0	361	1,770						-	
BH22-10 BH22-10	2	2022-06-29 2022-06-29	0	70	1,770	-	 	-			 	
BH22-10	0	2022-06-29	0	43	0	-						
BH22-11	2	2022-06-29	0	44	0		<u> </u>	<u> </u>			<u> </u>	
BH22-12	0	2022-07-12	0	17	0	ND	ND	ND	ND	ND	ND	ND
BH22-12	2	2022-07-12	0	24	0	ND	ND	ND	ND	ND	ND	ND
BH22-13	0	2022-07-12	0	31	0	ND	ND	ND	ND	ND	ND	ND
BH22-13	2	2022-07-12	0	11	0	ND	ND	ND	ND	ND	ND	ND
TP22-01	0-4'	2022-09-12	-	1,105	9,328	-	-	-	-	-	-	-



	Table 2. Initial Characterization Sample Field Screen and Laboratory Results - Depth to Groundwater 51-100 feet bgs											
	Sample Descrip	otion	Fi	eld Screeni	ng		P	etroleum H	ydrocarbo	ns		
			<u>s</u>			Vol	atile		Extra	ctable		Inorganic
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene (mg/kg)	BTEX (Total)	Basoline Range Organics 지역 (GRO)	කී Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	Total Petroleum (B) Hydrocarbons (TPH)	Chloride Concentration
TD22 02	0.4	2022 00 12	(ррііі)			(1116/116)	(IIIg/ Ng)	(IIIg/ Ng)	(IIIg/ Ng/	(1116/116)	(IIIg/ Ng/	(IIIg/ Ng/
TP22-02	0-4'	2022-09-12	-	1,099	8,880	-			-	-	-	-
TP22-03	0-4'	2022-09-12		37	5,787	-	-	-	-	-	-	-
TP22-04	0-4'	2022-09-12	-	40	6,123	-	-	-	-	-	-	7222
TP22-05	0-4'	2022-09-12	-	1,186	8,437	ND	ND	ND	410	990	1400	7200
TP22-06	0-4'	2022-09-12	-	1,164	8,643	-	-	-	-	-	-	-
TP22-07	0-4'	2022-09-12	-	1,182	8,694	ND	ND	ND	280	700	980	6600
TP22-08	0-4'	2022-09-12	-	88	4,621	ND	ND	ND	ND	ND	ND	2800
TP22-09	0-4'	2022-09-12	-	41	3,611	ND	ND	ND	ND	ND	ND	2300
TP22-10	0-4'	2022-09-13	-	129	2,960	-	-	-	-	-	-	-
TP22-11	0-4'	2022-09-13	-	374	2,040	-	-	-	-	-	-	-
TP22-12	0-4'	2022-09-13	-	31	5,715	-	-	-	-	-	-	-
TP22-13	0-4'	2022-09-13	-	58	965	-	-	-	-	-	-	-
TP22-14	0-4'	2022-09-13	-	72	2,445	-	-	-	-	-	-	-
TP22-15	0-4'	2022-09-13	-	32	1,845	-	-	-	-	-	-	-
TP22-16	0-4'	2022-09-13	-	60	1,100	-	-	-	-	-	-	-
TP22-17	0-4'	2022-09-13	-	41	1,915	-	-	-	-	-	-	-
TP22-18	0-4'	2022-09-13	-	30	1,500	-	-	-	-	-	-	-
TP22-19	0-4'	2022-09-13	-	23	1,178	-	-	-	-	-	-	-
TP22-20	0-4'	2022-09-14	-	64	1,275	ND	ND	ND	ND	ND	ND	800
TP22-21	0-4'	2022-09-14	-	40	855	-	-	-	-	-	-	-
TP22-22	0-4'	2022-09-14	-	40	1,118	ND	ND	ND	ND	ND	ND	1400
TP22-23	0-4'	2022-09-27	-	30	900	ND	ND	ND	ND	ND	ND	1300
TP22-24	0-4'	2022-09-15	-	46	1,450	-	-	-	-	-	-	-
TP22-25	0-4'	2022-09-15	-	39	1,120	-	-	-	-	-	-	-
TP22-26	0-4'	2022-09-15	-	40	810	ND	ND	ND	ND	ND	ND	360
TP22-27	0-4'	2022-09-16	-	1,240	1,260	-	-	-	-	-	-	-
TP22-28	0-4'	2022-09-20	-	78	290	ND	ND	ND	ND	ND	ND	73
TP22-29	0-4'	2022-09-27	-	37	2,055	ND	ND	ND	ND	ND	ND	3000
TP22-30	0-4'	2022-09-27	-	1,066	413	ND	ND	ND	150	450	600	280
TP22-31	2'	2022-11-01	-	272	1,660	ND	ND	ND	ND	59	59	970
TP22-31	4'	2022-11-01	-	37	1,360	ND	ND	ND	ND	ND	ND	1300
TP22-32	2'	2022-11-01	-	21	2,750	ND	ND	ND	ND	ND	ND	2300
TP22-32	4'	2022-11-01	-	26	2,325	ND	ND	ND	ND	ND	ND	1900

[&]quot;ND" Not Detected at the Reporting Limit

Bold and green shaded indicates exceedance outside of NMOCD Reclamation Criteria (on-pad)



[&]quot;-" indicates not analyzed/assessed

Client Name: EOG Resources, Inc. Site Name: Dayton ER Battery

NMOCD Tracking #: NMLB1122253079/2RP-824

Project #: 22E-00123-01

Lab Reports: 2206109, 2206391, 2206D52

	Та	ble 3. Confirmato	ry Sample	Field Scre	en and La	boratory	Results - D	epth to G	roundwat	er 51-100	feet bgs		
	Sample Descrip	otion	Fi	eld Screeni	ng			Petrole	eum Hydro	carbons			
			s			Vol	Volatile Extractable					Inorganic	
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds (PID)	Extractable Organic Compounds (PetroFlag)	Chloride Concentration	Benzene	BTEX (Total)	Gasoline Range Organics (GRO)	Diesel Range Organics (DRO)	Motor Oil Range Organics (MRO)	(GRO + DRO)	Total Petroleum Hydrocarbons (TPH)	Chloride Concentration
			(ppm)	(ppm)	(ppm)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BS22-01	3	6/1/2022				ND	ND	ND	68	65	68	133	2700
BS22-02	1	6/3/2022				ND	ND	ND	110	240	110	350	6800
BS22-03	1	6/3/2022				ND	ND	ND	130	270	130	400	8200
BS22-04	1	6/3/2022				ND	ND	ND	ND	ND	ND	ND	1800
BS22-05	1	6/3/2022				ND	ND	ND	190	350	190	540	5300
BS22-06	1	6/3/2022				ND	ND	ND	ND	ND	ND	ND	3400
BS22-07	1	6/3/2022				ND	ND	ND	ND	ND	ND	ND	3100
BS22-08	1	6/3/2022				ND	ND	ND	ND	ND	ND	ND	1700
BS22-09	1	6/3/2022				ND	ND	ND	ND	ND	ND	ND	3400
BS22-10	1	6/3/2022				ND	ND	ND	ND	ND	ND	ND	3900
BS22-11	4	6/3/2022				ND	ND	ND	ND	ND	ND	ND	390
BS22-12	4	6/3/2022				ND	ND	ND	ND	ND	ND	ND	500
BS22-13	4	6/3/2022				ND	ND	ND	ND	ND	ND	ND	1100
WS22-01	0-4	6/3/2022				ND	ND	ND	ND	ND	ND	ND	470
WS22-02	0-1	5/31/2022				ND	ND	ND	ND	ND	ND	ND	3800
WS22-03	0-1	5/31/2022				ND	ND	ND	91	150	91	241	4800
WS22-04	0-3	6/3/2022				ND	ND	ND	ND	ND	ND	ND	11000
WS22-04	0-3	6/23/2022				ND	ND	ND	ND	ND	ND	ND	7400
WS22-05	0-4	6/3/2022				ND	ND	ND	ND	ND	ND	ND	270
WS22-06	0-4	6/3/2022				ND	ND	ND	ND	ND	ND	ND	870
WS22-07	0-4	6/23/2022				ND	ND	ND	ND	ND	ND	ND	800

[&]quot;ND" Not Detected at the Reporting Limit

Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria

Bold and green shaded indicates samples recollected and below criteria



[&]quot;-" indicates not analyzed/assessed

Client Name: EOG Resources, Inc.
Site Name: Dayton ER Battery
NMOCD Tracking #: NMLB1122253079

Project #: 22E-00123-01

Lab Report(sX): 2301062, 2301377, 2301630, 2301707, 2301814, 2301A28, 2301A83, 2301B20, 2302003, 2302138, 2302261, 2302196, 2302778, 2302A11, 230

		Excavation Sampl				Results -	Depth to ((Reclama	tion)	
	Sample Descrip	otion	Fi	eld Screeni	ng			Petrole	eum Hydro				. .
Sample ID	Depth (ft)	Sample Date	Volatile Organic Compounds	Extractable Organic Gompounds (PetroFlag)	Chloride Concentration	Voli euseue Beuzeue (mg/kg)	atile (Total) (mg/kg)	Gasoline Range Organics	Diesel Range Organics (DRO)	(MRO) (MRO) (MRO)	(GRO + DRO)	Total Petroleum	Chloride Concentration (mg/kg)
BES22-01	4'	12/18/2022	-	107	829	ND	ND	ND	ND	ND	ND	ND	1900
BES22-02	4'	12/18/2022	-	175	687	ND	ND	ND	48	48	48	96	1200
BES22-03	4'	12/20/2022	-	23	936	ND	ND	ND	ND	ND	ND	ND	1900
BES22-04	4'	12/29/2022	-	297	2,330	ND	ND	ND	87	73	87	160	1800
BES22-05	4'	12/29/2022	-	536	6,130	ND	ND	ND	340	310	340	650	5700
BES22-06	4'	12/29/2022	-	144	2,388	ND	ND	ND	30	ND	30	30	1300
BES22-07	4'	12/29/2022	-	38	978	ND	ND	ND	ND	ND	ND	ND	670
BES22-08	4'	12/29/2022	-	41	2,243	ND	ND	ND	ND	ND	ND	ND	950
BES22-09	4'	12/29/2022	-	30	2,193	ND	ND	ND	ND	ND	ND	ND	1500
BES22-10	4'	12/30/2022	-	287	4,818	ND	ND	ND	240	290	240	530	2200
BES22-11	4'	12/30/2022	-	216	5,503	ND	ND	ND	52	77 ND	52 ND	129	2500
BES23-12	4'	1/25/2023	-	205	720	ND	ND	ND	27 ND	ND ND	ND	27 ND	650
BES23-13	4'	1/25/2023	-	110 116	1,128 835	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	720 740
BES23-14	4' 4'	1/25/2023		31	413	ND ND	ND ND	ND ND	ND ND	ND	ND	ND ND	230
BES23-15 BES23-16	4'	1/25/2023 1/25/2023		64	505	ND ND	ND	ND ND	ND ND	ND ND	ND	ND ND	300
BES23-10	4'	1/25/2023		105	788	ND	ND	ND	ND	ND	ND	ND	390
BES23-17	4'	1/25/2023	_	74	1,100	ND	ND	ND	ND	ND	ND	ND	830
BES23-19	4'	1/26/2023	3	118	1,050	ND	ND	ND	ND	ND	ND	ND	690
BES23-20	4'	1/26/2023	2	119	885	ND	ND	ND	ND	ND	ND	ND	430
BES23-21	4'	1/26/2023	2	82	745	ND	ND	ND	ND	ND	ND	ND	380
BES23-22	4'	1/26/2023	-	39	825	ND	ND	ND	ND	ND	ND	ND	380
BES23-23	4'	1/26/2023	-	38	698	ND	ND	ND	ND	ND	ND	ND	270
BES23-24	4'	1/26/2023	-	13	550	ND	ND	ND	ND	ND	ND	ND	220
BES23-25	4'	1/26/2023	-	13	728	ND	ND	ND	ND	ND	ND	ND	290
BES23-26	4'	1/26/2023	-	52	753	ND	ND	ND	ND	ND	ND	ND	340
BES23-27	4'	1/26/2023	-	39	493	ND	ND	ND	ND	ND	ND	ND	120
BES23-28	4'	1/26/2023	-	132	655	ND	ND	ND	ND	ND	ND	ND	160
BES23-29	4'	1/26/2023	-	136	1,163	ND	ND	ND	12	ND	12	12	620
BES23-30	4'	1/26/2023	-	73	708	ND	ND	ND	ND	ND	ND	ND	150
BES23-31	4'	1/27/2023	1	40	663	ND	ND	ND	ND	ND	ND	ND	240
BES23-32 BES23-33	4' 4'	1/27/2023	2	77 77	553 638	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	180 360
BES23-33 BES23-34	4'	1/27/2023 1/27/2023	2	69	568	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	280
BES23-35	4'	1/27/2023	2	56	533	ND	ND	ND	ND	ND	ND	ND ND	200
BES23-36	4'	1/27/2023	1	57	743	ND	ND	ND	ND	ND	ND	ND	280
BES23-37	4'	1/27/2023	3	1,126	748	ND	ND	ND	570	670	570	1240	240
BES23-38	4'	1/27/2023	2	189	1,908	ND	ND	ND	21	ND	21	21	1300
BES23-39	4'	1/30/2023	1	138	788	ND	ND	ND	ND	ND	ND	ND	330
BES23-40	4'	1/30/2023	1	82	1,928	ND	ND	ND	ND	ND	ND	ND	1100
BES23-41	4'	1/30/2023	1	72	2,053	ND	ND	ND	ND	ND	ND	ND	1700
BES23-42	4'	1/30/2023	1	86	783	ND	ND	ND	13	ND	13	13	390
BES23-43	4'	1/30/2023	1	350	775	ND	ND	ND	19	ND	19	19	320
BES23-44	4'	1/30/2023	1	281	795	ND	ND	ND	26	67	26	93	610
BES23-45	4'	1/30/2023	1	142	1,123	ND	ND	ND	15	ND	15	15	760
BES23-46	4'	1/30/2023	1	88	1,605	ND	ND	ND	13	ND	13	13	1200
BES23-47	4'	1/30/2023	1	119	1,300	ND	ND	ND	24	60	24	84	950
BES23-48	4'	1/30/2023	1	26	443	ND	ND	ND	ND	ND	ND	ND	290
BES23-49	4'	1/30/2023	2	254	423	ND	ND	ND	ND	ND	ND	ND	110
BES23-50	4'	1/30/2023	4	426	790	ND	ND	ND ND	170	140	170	310	610
BES23-51	4'	2/1/2023	1	796 5 200	2,348	ND	ND	ND ND	470	450	470	920 ND	2100
BES23-52	4.5'	2/2/2023	1	5,200	1,813	-	ND	ND	ND	ND	ND	ND	1200



BES23-53	4'	2/1/2023	2	266	1,490	ND	ND	ND	68	87	68	155	980
BES23-54	4.5'	3/1/2023	-	235	987	ND	ND	ND	ND	ND	ND	ND	2100
BES23-55	4'	2/1/2023	1	87	1,060	ND	ND	ND	13	ND	13	13	850
BES23-56	4'	2/1/2023	1	60	1,423	ND	ND	ND	ND	ND	ND	ND	920
BES23-57	4'	2/1/2023	1	28	708	ND	ND	ND	ND	ND	ND	ND	330
BES23-58	4'	2/1/2023	1	93	973	ND	ND	ND	ND	ND	ND	ND	690
BES23-59	4'	2/21/2023	-	163	6,142	ND	ND	ND	12	ND	12	12	3800
BES23-60	4'	2/21/2023	-	194	4,202	ND	ND	ND	23	ND	23	23	1000
BES23-61	4'	2/21/2023	-	107	4,005	ND	ND	ND	ND	ND	ND	ND	1900
BES23-62	4'	2/21/2023	-	520	3,706	ND	ND	ND	85	120	85	205	1900
BES23-63	4'	2/21/2023	-	224	6,704	ND	ND	ND	34	ND	34	34	3600
BES23-64	4'	2/21/2023	-	247	6,578	ND	ND	ND	27	ND	27	27	3000
BES23-65	4'	2/21/2023		61	5,620	ND	ND	ND	ND	ND	ND	ND	2300
BES23-66	4'	2/21/2023	-	51	3,566	ND	ND	ND	ND	ND	ND	ND	880
BES23-67	4'	2/21/2023	-	75	4,172	ND	ND	ND	ND	ND	ND	ND	1600
BES23-68	4'	2/21/2023		115	4,553	ND	ND	ND	12	ND	ND	ND	2000
WES22-67	0-4'	12/23/2022	-	13	575	ND	ND	ND	ND	ND	ND	ND	120
WES22-82	0-4'	12/29/2022	ND	20	337	ND	ND	ND	ND	ND	ND	ND	74
WES23-135	0-4'	1/9/2023		-	827	ND	ND	ND	ND	ND	ND	ND	350
WES23-136	0-4'	1/9/2023		-	967	ND	ND	ND	ND	ND	ND	ND	520
WES23-163	0-4'	1/17/2023	-	56	543	ND	ND	ND	ND	ND	ND	ND	180
WES23-165	0-4'	1/17/2023	-	33	753	ND	ND	ND	ND	ND	ND	ND	460
WES23-166	0-4'	1/17/2023	-	38	785	ND	ND	ND	ND	ND	ND	ND	430
WES23-191	0-4'	1/30/2023	1	152	545	ND	ND	ND	14	ND	14	14	350
WES23-202	0-4'	2/3/2023	-	32	845	ND	ND	ND	ND	ND	ND	ND	310
WES23-203	0-4'	2/3/2023	-	122	945	ND	ND	ND	ND	ND	ND	ND	340
WES23-204	0-4'	2/15/2023	-	28	378	ND	ND	ND	ND	ND	ND	ND	ND

[&]quot;ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

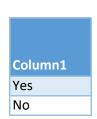
Bold and grey shaded indicates exceedance outside of NMOCD Closure Criteria (on-pad)

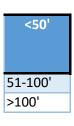


ATTACHMENT 4

	Criteria Worksheet ne: Dayton ER Battery				
	rdinates: 32.7324486, -104.3815918	X: 32.7324486	Y: -104.3815918		
Site Spec	ific Conditions	Value	Unit		
1	Depth to Groundwater	55	feet		
	Within 300 feet of any continuously flowing	22.427			
2	watercourse or any other significant watercourse	22,187	feet		
2	Within 200 feet of any lakebed, sinkhole or playa lake	47.205	ft		
3	(measured from the ordinary high-water mark)	47,295	feet		
4	Within 300 feet from an occupied residence, school,	1 420	foot		
4	hospital, institution or church	1,438	feet		
	i) Within 500 feet of a spring or a private, domestic				
5	fresh water well used by less than five households for	1,438	feet		
Э	domestic or stock watering purposes, or				
	ii) Within 1000 feet of any fresh water well or spring	1,438	feet		
	Within incorporated municipal boundaries or within a				
	defined municipal fresh water field covered under a				
6	municipal ordinance adopted pursuant to Section 3-27-	No	(Y/N)		
	3 NMSA 1978 as amended, unless the municipality				
	specifically approves				
7	Within 300 feet of a wetland	2,899	feet		
8	Within the area overlying a subsurface mine	No	(Y/N)		
			Critical		
0	Mithing on constable area (Karat Mara)	1	High		
9	Within an unstable area (Karst Map)	Low	Medium		
			Low		
10	Within a 100-year Floodplain	Undetermined	year		
	, .		,		
11	Soil Type	Karro laom a	nd Reeves loam		
12	Ecological Classification	Lo	oamy		
13	Geology	Qp-Piedmont	alluvial deposits		
	NMAC 19.15.29.12 E (Table 1) Closure Criteria	51-100'	<50' 51-100'		
			>100'		

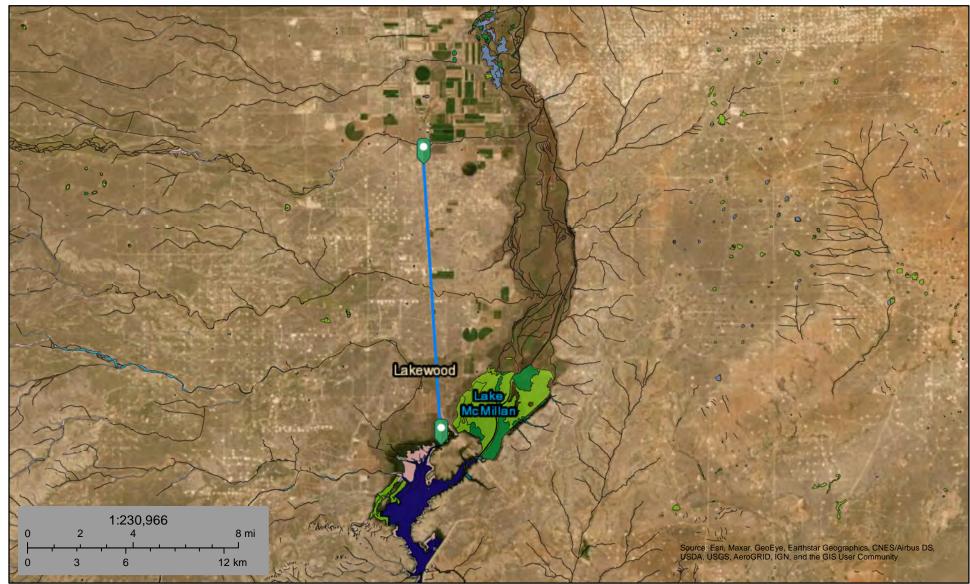








Dayton ER Battery



September 2, 2021

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

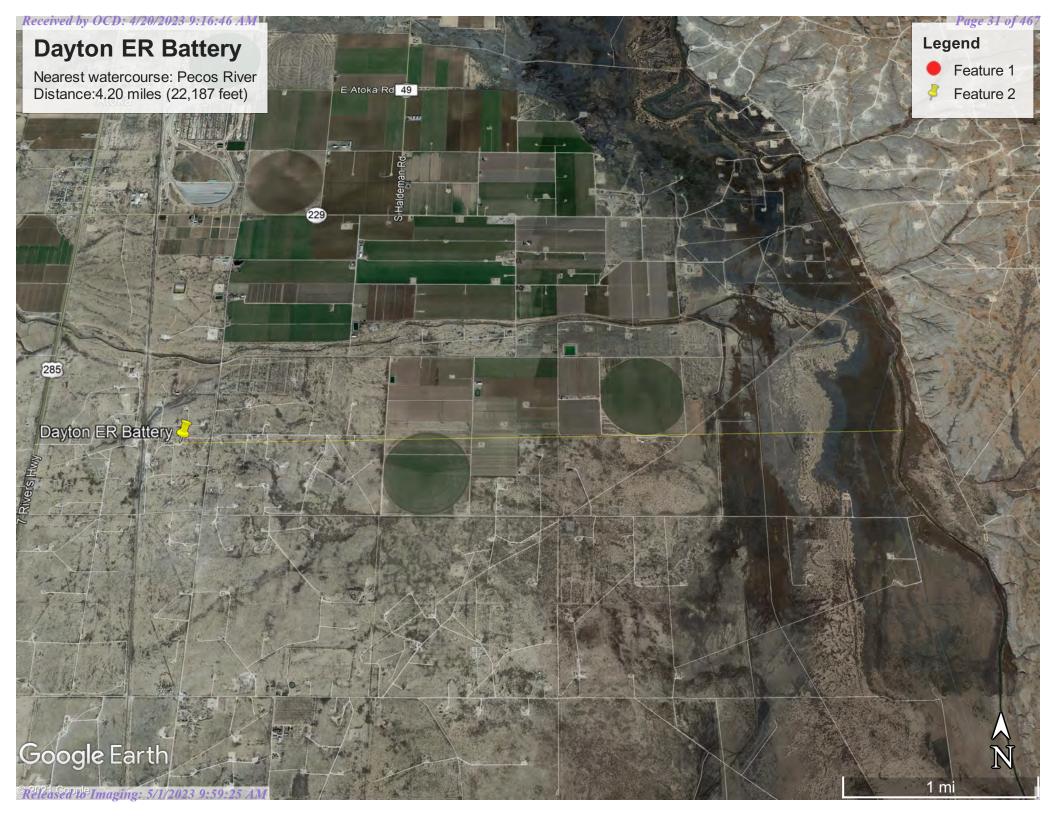
Freshwater Pond

Lake

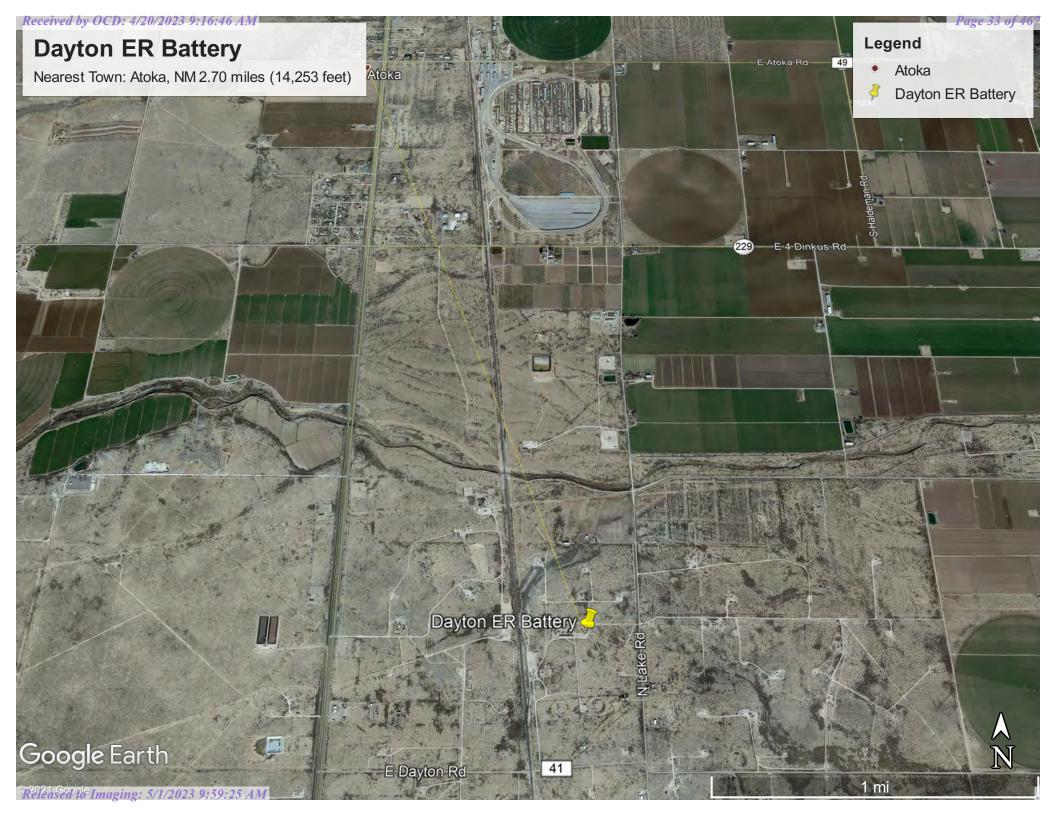
Other

Riverine

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

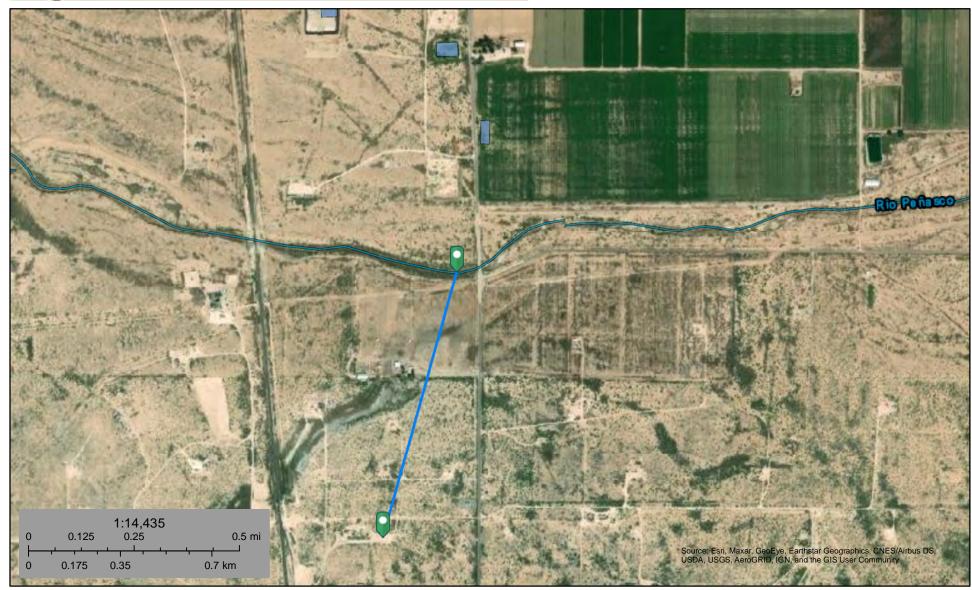








Dayton ER Battery



September 2, 2021

Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

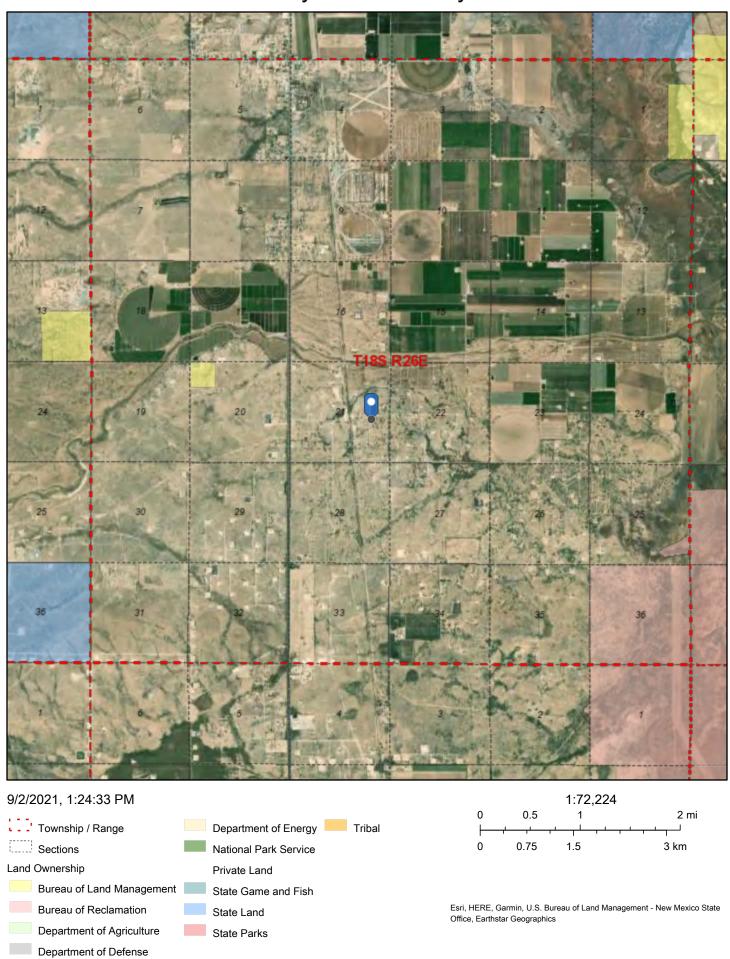
Riverine

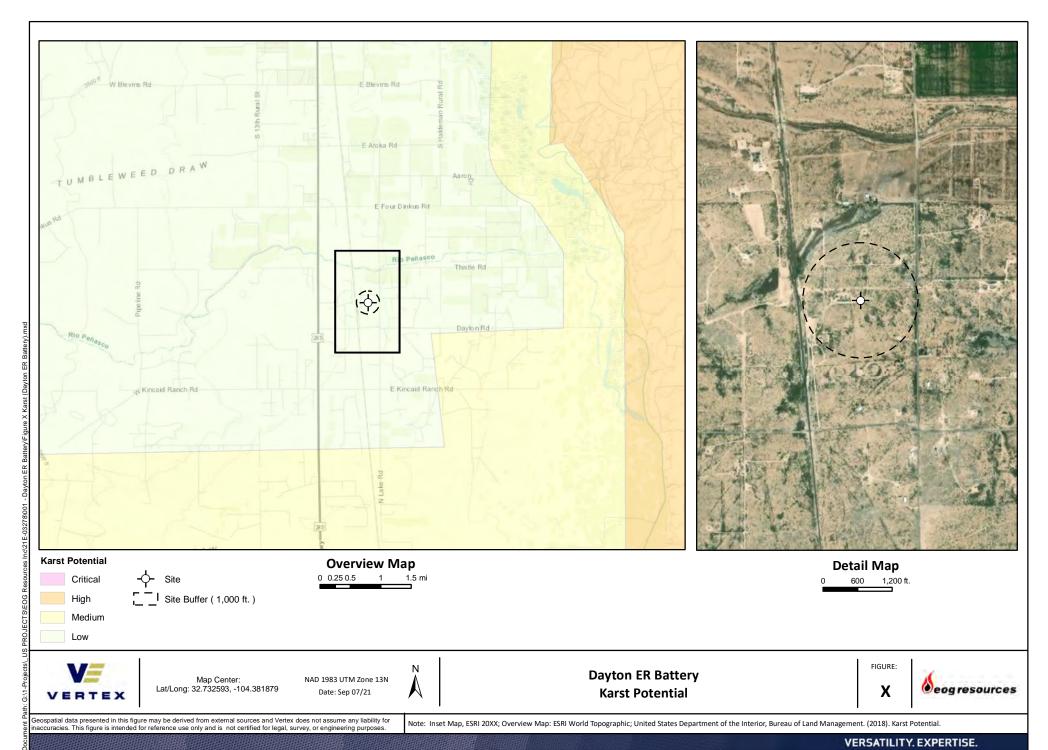
Other



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

Dayton ER Battery





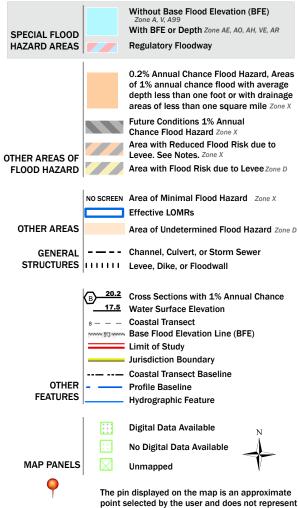
OReleas 250 to Imaging: 5/1/2023 9:999:25 AM

National Flood Hazard Layer FIRMette





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

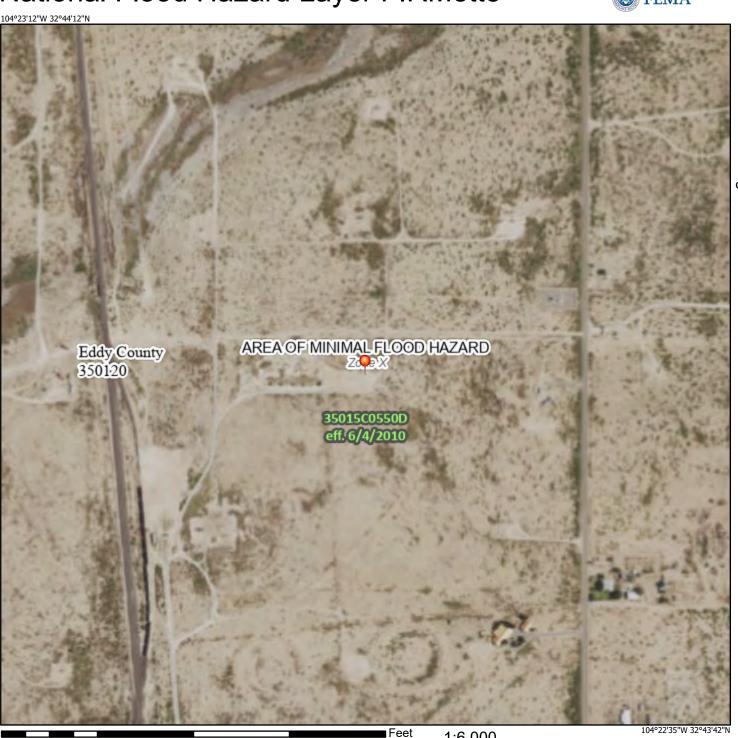


This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

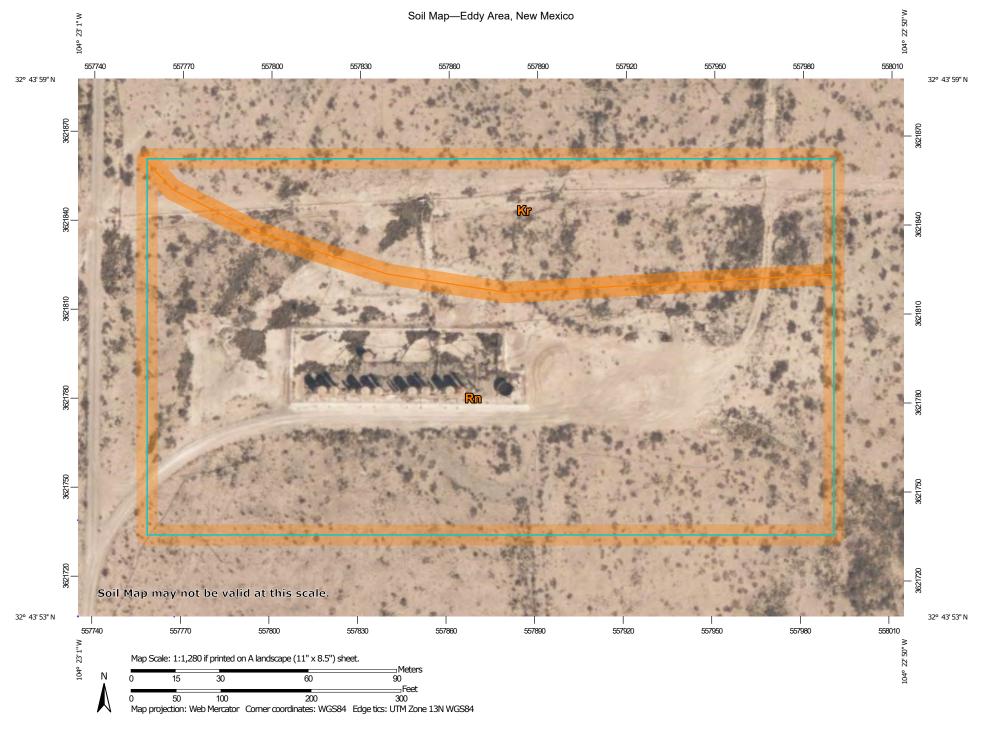
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/2/2021 at 3:29 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

an authoritative property location.

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



2.000



MAP LEGEND

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Δ

Water Features

Transportation

Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

US Routes

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

Aerial Photography

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Points

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

... Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

+ Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20.000.

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

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

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

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 16, Jun 8, 2020

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

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Kr	Karro loam, 0 to 1 percent slopes	2.1	28.2%
Rn	Reeves loam, 1 to 3 percent slopes	5.3	71.8%
Totals for Area of Interest		7.3	100.0%

Eddy Area, New Mexico

Kr—Karro loam, 0 to 1 percent slopes

Map Unit Setting

National map unit symbol: 1w4v Elevation: 2,500 to 5,300 feet

Mean annual precipitation: 10 to 15 inches Mean annual air temperature: 57 to 64 degrees F

Frost-free period: 200 to 230 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Karro and similar soils: 99 percent Minor components: 1 percent

Estimates are based on observations, descriptions, and transects of

the mapunit.

Description of Karro

Setting

Landform: Alluvial fans, plains

Landform position (three-dimensional): Riser, rise, talf

Down-slope shape: Linear, convex Across-slope shape: Linear Parent material: Mixed alluvium

Typical profile

H1 - 0 to 10 inches: loam H2 - 10 to 90 inches: clay loam

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained Runoff class: Medium

Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 60 percent Maximum salinity: Nonsaline to slightly saline (0.0 to 4.0

mmhos/cm)

Sodium adsorption ratio, maximum: 1.0

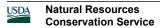
Available water supply, 0 to 60 inches: High (about 10.5 inches)

Interpretive groups

Land capability classification (irrigated): 2s Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: C

Ecological site: R042XC030NM - Limy



Hydric soil rating: No

Minor Components

Reeves

Percent of map unit: 1 percent Ecological site: R042XC007NM - Loamy Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 16, Jun 8, 2020

Eddy Area, New Mexico

Rn—Reeves loam, 1 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w5q Elevation: 1,250 to 4,800 feet

Mean annual precipitation: 10 to 25 inches Mean annual air temperature: 57 to 70 degrees F

Frost-free period: 120 to 225 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Reeves and similar soils: 98 percent *Minor components*: 2 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Reeves

Setting

Landform: Hills, plains, ridges

Landform position (two-dimensional): Backslope, footslope,

shoulder, toeslope

Landform position (three-dimensional): Crest, nose slope, side

slope, head slope Down-slope shape: Convex Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

Ap - 0 to 8 inches: loam H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 1 to 3 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

Capacity of the most limiting layer to transmit water (Ksat): Very low

to moderately low (0.00 to 0.06 in/hr) Depth to water table: More than 80 inches

Frequency of flooding: None Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

Maximum salinity: Very slightly saline to moderately saline (2.0 to

8.0 mmhos/cm)

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3e Land capability classification (nonirrigated): 7e

Hydrologic Soil Group: B

Ecological site: R042XC007NM - Loamy

Hydric soil rating: No

Minor Components

Karro

Percent of map unit: 1 percent Ecological site: R042XC030NM - Limy

Hydric soil rating: No

Cottonwood

Percent of map unit: 1 percent

Ecological site: R042XC006NM - Gyp Upland

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico Survey Area Data: Version 16, Jun 8, 2020

Ecological Reference Worksheet

Author(s) /	participant(s):	John Tunberg,

Contact for lead author: 505-761-4488 Reference site used? Yes/No No

Date: 2/12/2010 **MLRA:** 42.3 **Ecological Site:** Loamy This <u>must</u> be verified based on soils and climate (see Ecological Site Description). Current plant community *cannot* be used to identify the ecological site.

Indicators: For each indicator, describe the potential for the site. Where possible, (1) use numbers, (2) include expected range of values for above and below average years for <u>each</u> community within the reference state, when appropriate & (3) site data. Continue description on separate sheet.

1. Number and extent of rills There should not be any rills.

After wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances rills may double in number on steeper slopes at the margins of this site after high-intensity summer thunderstorms. Any rills formed should not be long lived or interconnected and should heal rapidly.

2. Presence of water flow patterns: There can be evidence of sheet flow.

There can be a few flow patterns that should be short and discontinuous. There can be some sheet flow. Water flow patterns should only be present following intense storm events on upper slope limits at the margins of this site. Numerous obstructions alter flow paths. Flow pattern length and numbers may double after wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances.

- 3. Number and height of erosional pedestals or terracettes: Pedestals should be rare. Terracettes can occure and should be discontinuous. There can be a few pedestals that should be less than 1 inch high. Terracettes can be common and should be discontinuous. If present plant or rock pedestals and terracettes are almost always in flow patterns. Wind caused pedestals are rare and only would be on the site following after wildfires, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances. These would show signs of healing within 1 year after event.
- 4. Bare ground from Ecological Site Description or other studies (rock, litter, lichen, moss, plant canopy are not bare ground): Bare ground can make up to 50% of the ground cover on this site according to the ESD. Bare patch size should be small.
- 5. Number of gullies and erosion associated with gullies:

Gullies and erosion associated with gullies should be rare are infrequent. Typically, gullies if present will only follow the micro topography. Natural drainages with little to no active cutting are common on this site. There should not be any accelerated erosion. After high-intensity summer thunderstorms or after wildfire, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances then gully formation would be accelerated for a year or two. Evidence of healing within 1 year of event and continuing after that.

6. Extent of wind scoured, blowouts and/or depositional area

There should not be any wind scoured, blowouts and/or depositional areas. However there can be potential for depositional areas. Wind erosion is minimal when the site is in a well vegetated condition. Significant wind erosion would only be present following high-intensity summer thunderstorms, after wildfire, or abnormally high human or herbivore impacts or extended drought or combinations of these disturbances. After rain events, exposed soil surfaces form physical crusts that tend to reduce wind erosion. Deposition from off site sources can be common on this site and is in fact a primary soil forming process. This site is succeptable to wind erosion when vegetation is removed or significantly decreased.

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

Litter should be small (less than "1 in diameter) and its movement should be minimal. This site has adequate vegetation to stop litter movement after short distances. Most of the litter movement on this site will be litter that has been transported onto the site from adjacent sites. Litter produced on this site stays on the site and only travels short distances.

8. Soil surface (top few mm) resistance to erosion (stability) values are averages - most sites will show a range of values for both plant canopy and interspaces, if different):

This site can be susceptible to alluvial erosion. Stability values are estimated to be 1-2 in interspaces and 3-5 at bases of vegetation. This would

9. Soil surface structures and SOM content (include type and strength of structure, and A-horizon color and thickness for both plant canopy and interspaces, if different):

The SOM content should be less than 1%. A--0 to 6 inches; grayish brown (10YR 5/2) loam, dark grayish brown (10YR 4/2) moist; weak fine subangular blocky structure; hard, friable, slightly sticky; surface 1/2 to 2 inches has weak thin to medium platy structure; common very fine and fine pores; common very fine, fine and medium roots; strongly calcareous; slightly alkaline (pH 7.6); clear smooth boundary. (4 to 8 inches thick)

10. Effect of plant community composition (relative proportion of different functional groups) & spatial distribution on infiltration & runoff:

Overall, infiltration rates should be slow for this site but can be higher around bases of grasses than in interspaces and around bases of shrubs. The soils of this site are deep to moderately deep. The moderately deep soils have either a petrocalcic, petrogypsic or gypsum horizon between 30 and 40 inches. Surface textures are loam, silt loam, very fine sandy loam, or clay loam. Substratum textures are loam, silty clay loam, clay loam, or silt loams. Subsoil textures are silt loam, clay loam silty clay loam, gravelly loam, gravelly clay loam or very gravelly loam. Permeability is moderate to slow and the available water holding capacity is high to moderate.

11.	Presence and thickness of compaction layer (usually none; describe soil profile features which may be mistaken fo
	compaction):

There should not be any compaction layers on this site. There are soil profile features in the top 9 inches of the soil profile that would be mistaken for a management induced soil compaction layer. Management induced compaction layers will be more difficult to penetrate than clay lenses.

12. Functional/Structural Groups (list in order of descending dominance by above-ground weight using symbols: indicate much greater than (>>), greater than (>), and equal to (=):

black grama >> tobosa > C 4 bunch grasses (dropseeds) > C4 midgrasses (threeawns) >= soaptree yucca, ephedra, fourwing saltbush >= forbs (croton, desert marigold, globemallow, > broom snakeweed, prickly pear, = other forbs.

- 13. Amount of plant mortality and decadence (include which functional groups are expected to show mortality or decadence): Black grama and bunchgrasses can show decadence in centers of plants.
- 14. Average percent litter cover (_______%) and depth (______inches).

 Average 15% cover and 0.75 inch deep. (As per ESD)
- 15. Expected annual production (this is TOTAL above-ground production, not just forage production):

(Low Production 650 lbs./ac.) (Average RV Production 925 lbs./ac.) (High Production 1200 lbs./ac.) After wildfires, high herbivore impacts, extended drought, or combinations of these disturbances, can cause production to be significantly reduced (100-200 lbs per ac. the first growing season following a wildfire) and recover slowly under below average precipitation regimes.

16. Potential invasive (including noxious) species (native and non-native). List species which characterize degraded states and which, after a threshold is crossed, "can, and often do, continue to increase regardless of the management of the site and may eventually dominate

Tarbush, creosote and mesquite can be invaders to this site. Invasive plants should not occur in reference plant community. However, lovegrass, Russian thistle, kochia, and other nonnative annuals may initially invade following extended disturbance. Mesquite and tarbush and creosote and lovegrass are the greatest threat to dominate this site in the long term after disturbance (primarily following wildfire exclusion but also includes high human or herbivore impacts and extended drought). Mesquite and tarbush and creosote and lovegrass are most likely to retain dominance if allowed to alter natural fire regime (this alteration may require poor land management combined with years of wet winterspring; dry summer-fall conditions). Any of these invaded communities represent a departure from the reference state.

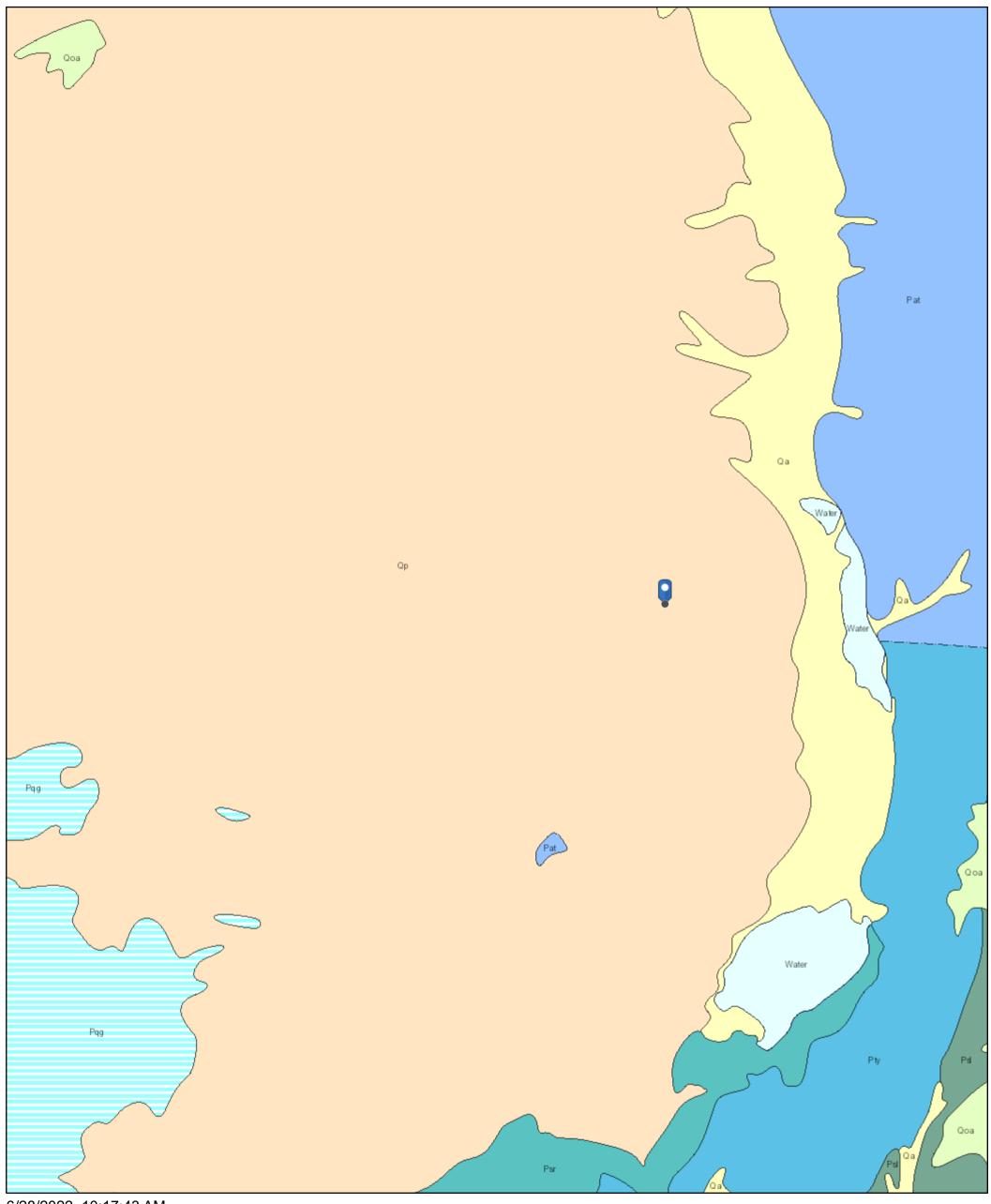
17. Perennial plant reproductive capability:

Black grama reproduces by seed sporadically and reproduction by tiller and stolon can be common. The C4 midgrasses should have high reproductive potential and rapidly recover from drought in the absence of additional stresses (grazing).

	Photograph (s))		
MLRA :			Date :	
Ecological Site:				
Photo # 1				
Comments:				
Photo # 2				

Comments:

Dayton ER Battery



6/28/2022, 10:17:43 AM

Lithologic Units

Playa—Alluvium and evaporite deposits (Holocene)

Water—Perenial standing water

Qa—Alluvium (Holocene to upper Pleistocene)

1:144,448 2.5 0 1.25 5 mi 0 2.25 4.5 9 km

Esri, NASA, NGA, USGS, USGS The National Map: National Boundaries Dataset, 3DEP Elevation Program, Geographic Names Information System, National Hydrography Dataset, National Land Cover Database, National Structures Dataset, and National Transportation Dataset; USGS Global Ecosystems; U.S. Census

ATTACHMENT 5



10/18/2021 Client: Inspection Date: EOG Resources Inc. 10/18/2021 10:48 PM Site Location Name: **Dayton ER Battery** Report Run Date: 30-015-21629 Chase Settle Client Contact Name: API#: 575-703-6537 Client Contact Phone #: **Unique Project ID** Project Owner: Project Reference # Project Manager: **Summary of Times** Arrived at Site 10/18/2021 3:56 PM 10/18/2021 4:28 PM **Departed Site**

Field Notes

- 15:57 Complete white line of area to be sampled
- **16:00** Site looks old and could contain multiple non reportable historical releases within the containment area. White line of area will be entire location to cover all areas of potential sampling
- 16:16 Some slight discoloration to soils around edges of containment. East side of containment does slope downwards
- **16:20** East area of soil is very loose and shows signs of contamination.

Next Steps & Recommendations

- 1 Delineation with geoprobe
- 2 Potential em survey
- 3 Remediation work plan



Site Photos





East side of battery



White line area

Viewing Direction: Southeast

White line area



White line area





Downward slope on east side



North east corner of pad



North side of containment



Containment area



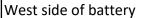


Eastern wall of containment



Containment area within white line







Containment area



Daily Site Visit Signature

Inspector: Monica Peppin

Signature:



5/26/2022 Client: EOG Resources Inc. Inspection Date: 5/26/2022 9:35 PM Site Location Name: **Dayton ER Battery** Report Run Date: Chase Settle API#: Client Contact Name: Client Contact Phone #: 575-703-6537 Unique Project ID Project Owner: Project Reference # Project Manager: **Summary of Times** Arrived at Site 5/26/2022 8:45 AM 5/26/2022 2:00 PM **Departed Site**

Field Notes

- **10:10** Collected 8 5-point composite samples from the excavation area for characterization
- **12:17** Ran all samples for chlorides titrations, all clean.
- 13:53 All samples clean on TPH except for #6

Next Steps & Recommendations

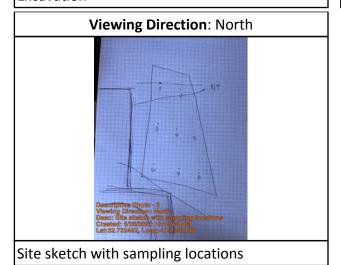
1 Excavate an additional foot around 1, 2, and 6 to reach levels.



Site Photos

Viewing Direction: Southwest

Excavation





Southwest corner



Daily Site Visit Signature

Inspector: Sally Carttar

Signature:



Client:	EOG Resources Inc.	Inspection Date:	12/13/2022
Site Location Name:		Report Run Date:	12/14/2022 12:57 AM
Client Contact Name:	Chase Settle	API#:	
Client Contact Phone #:	575-703-6537	_	
Unique Project ID		Project Owner:	
Project Reference #		Project Manager:	
		Summary of ⁻	Times
Arrived at Site	12/13/2022 7:38 AM		
Departed Site	12/13/2022 4:07 PM		
		Field Note	es

15:19 Arrived on site, held tailgate safety meeting

15:20 Gathered 6 wall samples and 1 base sample, they all tested high in chlorides

Next Steps & Recommendations

1 Continuing excavation base down to 4'. Take the dirty walls and bases out in additional 1' increments



Site Photos



Excavation progress



Viewing Direction: West















Daily Site Visit Signature

Inspector: Zachery Englebert

Signature: Signay



EOG Resources Inc. 3/1/2023 Client: Inspection Date: 3/3/2023 9:08 PM Site Location Name: Dayton ER Battery Report Run Date: Chase Settle API#: 30-015-21629 Client Contact Name: Client Contact Phone #: 575-703-6537 Unique Project ID Project Owner: Project Reference # Project Manager:

Summary of Times		
Arrived at Site	3/1/2023 11:00 AM	
Departed Site	3/1/2023 12:30 PM	

Field Notes

11:56 Arrived on site to collect BES23-54 at 4.5' as it was above criteria at 4'

11:56 Below criteria on all field screening. Taking pictures of final excavation.

Next Steps & Recommendations

1 Wait for results and take this site to closure.



Site Photos



Final excavation



Final excavation



Final excavation



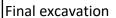


BES23-54

Viewing Direction: West

Final excavation





Viewing Direction: South

Final excavation





Final excavation



Final excavation







Final excavation





Final excavation



Daily Site Visit Signature

Inspector: Chance Dixon

Signature:

ATTACHMENT 6

Monica Peppin

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, May 26, 2022 11:15 AM

To: Robert.Hamlet@state.nm.us; Bratcher, Mike, EMNRD; Jennifer.Nobui@state.nm.us;

Harimon, Jocelyn, EMNRD

Cc: Artesia S&E Spill Remediation; Artesia Regulatory
Subject: Dayton ER Battery (2RP-284) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Dayton ER Battery I-21-18S-26E; Eddy County, NM 2RP-284

Sampling will begin at 8:00 a.m. on Tuesday, May 31, 2022 and will be continuous through Friday, June 3, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct. 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com



Monica Peppin

From: Chase Settle < Chase_Settle@eogresources.com>

Sent: Thursday, June 16, 2022 11:50 AM

To: Monica Peppin
Cc: Michael Moffitt

Subject: FW: Dayton ER Battery (2RP-284) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, June 16, 2022 10:44 AM

To: Jennifer Nobui <Jennifer.Nobui@state.nm.us>; Jocelyn Harimon <Jocelyn.Harimon@state.nm.us>; Mike Bratcher

<mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia Regulatory

<a>Artesia_Regulatory@eogresources.com>

Subject: Dayton ER Battery (2RP-284) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Dayton ER Battery I-21-18S-26E; Eddy County, NM 2RP-284

Sampling will begin at 8:00 a.m. on Thursday, June 23, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

beog resources

From: <u>Chase Settle</u>
To: <u>Michael Moffitt</u>

Subject: FW: Dayton ER Battery (2RP-284) Sampling Notification

Date: September 1, 2022 9:39:03 AM

Attachments: <u>image001.png</u>

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, September 1, 2022 9:30 AM

To: Jennifer Nobui < Jennifer.Nobui@state.nm.us>; Jocelyn Harimon

<Jocelyn.Harimon@state.nm.us>; Mike Bratcher <mike.bratcher@state.nm.us>; Robert Hamlet
<Robert.Hamlet@state.nm.us>

Those characters and a second second

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia

 $Regulatory < Artesia_Regulatory @eogresources.com >$

Subject: Dayton ER Battery (2RP-284) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Dayton ER Battery I-21-18S-26E Eddy County, NM 2RP-284

Sampling will begin at 8:00 a.m. on Thursday, September 8, 2022 and continue through Friday, September 9, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com

seog resources

Monica Peppin

From: Chase Settle < Chase Settle@eogresources.com>

Sent: September 15, 2022 8:30 AM

To: Michael Moffitt
Cc: Monica Peppin

Subject: FW: Dayton ER Battery (2RP-284) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, September 15, 2022 8:06 AM

To: Jennifer Nobui < Jennifer.Nobui@state.nm.us>; Jocelyn Harimon < Jocelyn.Harimon@state.nm.us>; Mike Bratcher

<mike.bratcher@state.nm.us>; Robert Hamlet <Robert.Hamlet@state.nm.us>

Cc: Artesia S&E Spill Remediation < Artesia S&E Spill Remediation@eogresources.com>; Artesia Regulatory

<Artesia_Regulatory@eogresources.com>

Subject: Dayton ER Battery (2RP-284) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Dayton ER Battery I-21-18S-26E Eddy County, NM 2RP-284

Sampling will begin at 8:00 a.m. on Monday, September 19, 2022 and continue through Friday, September 23, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct. 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

eog resources

Monica Peppin

From: Chase Settle <Chase_Settle@eogresources.com>

Sent: September 22, 2022 8:11 AM

To: Michael Moffitt
Cc: Monica Peppin

Subject: FW: Dayton ER Battery (2RP-284) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, September 22, 2022 7:54 AM

To: Robert.Hamlet@emnrd.nm.gov; Mike.Bratcher@emnrd.nm.gov; Jennifer.Nobui@emnrd.nm.gov;

Jocelyn.Harimon@emnrd.nm.gov

Cc: Artesia S&E Spill Remediation <Artesia S&E Spill Remediation@eogresources.com>; Artesia Regulatory

<a>Artesia Regulatory@eogresources.com>

Subject: Dayton ER Battery (2RP-284) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Dayton ER Battery I-21-18S-26E Eddy County, NM 2RP-284

Sampling will begin at 8:00 a.m. on Monday, September 26, 2022 and continue through Friday, September 30, 2022.

Thank you,

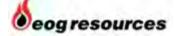
Tina Huerta

Regulatory Specialist

Direct. 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com



To: <u>ocd.enviro@emnrd.nm.gov</u>

Cc: Artesia S&E Spill Remediation; Artesia Regulatory
Subject: Dayton ER Battery (2RP-284) Sampling Notification

Date: December 12, 2022 10:45:20 AM

Attachments: <u>image001.png</u>

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM 2RP-284

Sampling will begin at 10:45 a.m. on Wednesday, December 14, 2022 and continue through Saturday, December 17, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



To: <u>ocd.enviro@emnrd.nm.gov</u>

Cc: Artesia S&E Spill Remediation; Artesia Regulatory
Subject: Dayton ER Battery (2RP-284) Sampling Notification

Date: December 15, 2022 8:28:44 AM

Attachments: <u>image001.png</u>

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM 2RP-284

Sampling will begin at 8:00 a.m. on Monday, December 19, 2022 and continue through Friday, December 23, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina_huerta@eogresources.com



From: Amber Griffin
To: Chance Dixon

Subject: FW: [EXTERNAL] Dayton ER Battery (2RP-824) Sampling Notification

Date: January 17, 2023 10:55:58 AM

Attachments: <u>image002.jpg</u>

image003.png

Thank you, Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, December 22, 2022 8:48 AM

To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>

Cc: Artesia Regulatory < Artesia_Regulatory@eogresources.com>

Subject: FW: [EXTERNAL] Dayton ER Battery (2RP-824) Sampling Notification

FYI

S&E Please note I changed the incident number in the subject.

Thank you.

From: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Sent: Thursday, December 22, 2022 8:44 AM

To: Tina Huerta < <u>Tina Huerta@eogresources.com</u>>

Cc: Bratcher, Michael, EMNRD < mike.bratcher@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Dayton ER Battery (2RP-284) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Good morning Tina,

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.

Have a happy holiday, Jocelyn Harimon

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Tina Huerta < Tina Huerta@eogresources.com>

Sent: Thursday, December 22, 2022 5:20 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Artesia S&E Spill Remediation < <u>Artesia_S&E_Spill_Remediation@eogresources.com</u>>; Artesia

Regulatory < Artesia_Regulatory@eogresources.com >

Subject: [EXTERNAL] Dayton ER Battery (2RP-284) Sampling Notification

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

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM 2RP-284

Sampling will begin at 8:00 a.m. on Tuesday, December 27, 2022 and continue through Saturday, December 31, 2022.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



From: <u>Chase Settle</u>

To: <u>Chance Dixon</u>; <u>Michael Moffitt</u>

Subject: FW: Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: December 30, 2022 12:02:13 PM

Attachments: <u>image001.png</u>

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, December 29, 2022 7:18 AM

To: ocd.enviro@emnrd.nm.gov

Cc: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>; Artesia

Regulatory < Artesia_Regulatory@eogresources.com>

Subject: Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:00 a.m. on Tuesday, January 3, 2023 and continue through Saturday, January 7, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



To: <u>ocd.enviro@emnrd.nm.gov</u>

Cc: <u>Artesia S&E Spill Remediation</u>; <u>Artesia Regulatory</u>

Subject: Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: January 5, 2023 8:09:58 AM

Attachments: <u>image001.png</u>

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:30 a.m. on Monday, January 9, 2023 and continue through Sunday, January 15, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



From: Amber Griffin
To: Chance Dixon
Cc: Chase Settle

Subject: FW: [EXTERNAL] Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: January 12, 2023 10:55:22 AM

Attachments: <u>image003.png</u>

Thank you, Amber Griffin

From: Tina Huerta <Tina_Huerta@eogresources.com>

Sent: Thursday, January 12, 2023 8:19 AM

To: Artesia S&E Spill Remediation <Artesia_S&E_Spill_Remediation@eogresources.com>

Cc: Artesia Regulatory < Artesia Regulatory@eogresources.com>

Subject: FW: [EXTERNAL] Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

FYI

From: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Sent: Thursday, January 12, 2023 8:14 AM

To: Tina Huerta < <u>Tina Huerta@eogresources.com</u>>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD

<<u>Robert.Hamlet@emnrd.nm.gov</u>>

Subject: RE: [EXTERNAL] Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina,

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

JΗ

Jocelyn Harimon • Environmental Specialist Environmental Bureau

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Tina Huerta < Tina Huerta@eogresources.com>

Sent: Thursday, January 12, 2023 5:12 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Artesia S&E Spill Remediation < <u>Artesia_S&E_Spill_Remediation@eogresources.com</u>>; Artesia

Regulatory < Artesia_Regulatory@eogresources.com >

Subject: [EXTERNAL] Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

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

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:30 a.m. on Monday, January 16, 2023 and continue through Sunday, January 22, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com

beog resources

To: Artesia S&E Spill Remediation

Cc: Artesia Regulatory

Subject: FW: [EXTERNAL] Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: January 19, 2023 8:19:24 AM

Attachments: <u>image002.jpg</u>

image003.png

FYI

From: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Sent: Thursday, January 19, 2023 8:12 AM

To: Tina Huerta <Tina_Huerta@eogresources.com>

Cc: Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD

<Robert.Hamlet@emnrd.nm.gov>

Subject: RE: [EXTERNAL] Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina,

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.

JH

Jocelyn Harimon • Environmental Specialist

Environmental Bureau
EMNRD - Oil Conservation Division
1220 South St. Francis Drive | Santa Fe, NM 87505
(505)469-2821 | Jocelyn.Harimon@emnrd.nm.gov

http://www.emnrd.nm.gov



From: Tina Huerta < <u>Tina_Huerta@eogresources.com</u>>

Sent: Thursday, January 19, 2023 5:40 AM

To: Enviro, OCD, EMNRD < OCD. Enviro@emnrd.nm.gov>

Cc: Artesia S&E Spill Remediation < <u>Artesia_S&E_Spill_Remediation@eogresources.com</u>>; Artesia_

Regulatory < Artesia Regulatory@eogresources.com >

Subject: [EXTERNAL] Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

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

links or opening attachments.

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:30 a.m. on Monday, January 23, 2023 and continue through Saturday, January 28, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina_huerta@eogresources.com

?

To: <u>ocd.enviro@emnrd.nm.gov</u>

Cc: Artesia S&E Spill Remediation; Artesia Regulatory

Subject: Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: January 26, 2023 7:13:58 AM

Attachments: <u>image001.png</u>

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:30 a.m. on Monday, January 30, 2023 and continue through Sunday, February 5, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



To: ocd.enviro@emnrd.nm.gov

Cc: Artesia S&E Spill Remediation; Artesia Regulatory

Subject: Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: February 2, 2023 6:00:35 AM

Attachments: <u>image001.png</u>

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:00 a.m. on Monday, February 6, 2023 and continue through Friday, February 10, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



To: <u>ocd.enviro@emnrd.nm.gov</u>

Cc: <u>Artesia S&E Spill Remediation</u>; <u>Artesia Regulatory</u>

Subject: Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: February 9, 2023 5:50:11 AM

Attachments: <u>image001.png</u>

Good Morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:30 a.m. on Monday, February 13, 2023 and continue through Friday, February 17, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



To: <u>ocd.enviro@emnrd.nm.gov</u>

Cc: Artesia S&E Spill Remediation; Artesia Regulatory

Subject: Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: February 16, 2023 7:36:25 AM

Attachments: <u>image001.png</u>

Good morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:30 a.m. on Monday, February 20, 2023, and continue through Friday, February 24, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



To: <u>ocd.enviro@emnrd.nm.gov</u>

Cc: Artesia S&E Spill Remediation; Artesia Regulatory

Subject: Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: February 23, 2023 8:06:51 AM

Attachments: <u>image001.png</u>

Good morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:30 a.m. on Monday, February 27, 2023, and continue through Friday, March 3, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



To: <u>ocd.enviro@emnrd.nm.gov</u>

Cc: Artesia S&E Spill Remediation; Artesia Regulatory

Subject: Dayton ER Battery (NMLB1122253079/2RP-824) Sampling Notification

Date: March 2, 2023 6:04:48 AM

Attachments: <u>image001.png</u>

Good morning,

EOG Resources, Inc. respectfully submits notification (2) business days prior to conducting sampling on the following location.

Dayton ER Battery I-21-18S-26E Eddy County, NM NMLB1122253079/2RP-824

Sampling will begin at 8:30 a.m. on Monday, March 6, 2023, and continue through Friday, March 10, 2023.

Thank you,

Tina Hverta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121

Email: tina huerta@eogresources.com



ATTACHMENT 7



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

July 08, 2022

Monica Peppin EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX

RE: Dayton Battery OrderNo.: 2206D52

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/24/2022 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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2206D52

Date Reported: 7/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: WES22-04 1'

 Project:
 Dayton Battery
 Collection Date: 6/23/2022 8:30:00 AM

 Lab ID:
 2206D52-001
 Matrix: SOIL
 Received Date: 6/24/2022 8:16:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	7400	300	mg/Kg	100	7/1/2022 10:57:18 AM	68444
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	110	15	mg/Kg	1	7/1/2022 3:35:18 PM	68386
Motor Oil Range Organics (MRO)	120	48	mg/Kg	1	7/1/2022 3:35:18 PM	68386
Surr: DNOP	92.3	51.1-141	%Rec	1	7/1/2022 3:35:18 PM	68386
EPA METHOD 8015D: GASOLINE RANGE					Analyst	BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Surr: BFB	87.2	37.7-212	%Rec	1	6/28/2022 5:50:00 PM	68381
EPA METHOD 8021B: VOLATILES					Analyst	: BRM
Benzene	ND	0.023	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Toluene	ND	0.047	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Ethylbenzene	ND	0.047	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Xylenes, Total	ND	0.094	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	6/28/2022 5:50:00 PM	68381

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

Analytical Report Lab Order 2206D52

Date Reported: 7/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: WES22-07 2'

 Project:
 Dayton Battery
 Collection Date: 6/23/2022 8:35:00 AM

 Lab ID:
 2206D52-002
 Matrix: SOIL
 Received Date: 6/24/2022 8:16:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	800	60	mg/Kg	20	6/29/2022 7:30:59 PM	68444
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/30/2022 3:32:16 AM	68415
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	6/30/2022 3:32:16 AM	68415
Surr: DNOP	90.7	51.1-141	%Rec	1	6/30/2022 3:32:16 AM	68415
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Surr: BFB	101	37.7-212	%Rec	1	6/28/2022 3:57:04 PM	68382
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Toluene	ND	0.048	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Ethylbenzene	ND	0.048	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Xylenes, Total	ND	0.097	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Surr: 4-Bromofluorobenzene	94.6	70-130	%Rec	1	6/28/2022 3:57:04 PM	68382

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

porting Limit Page 2 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206D52 08-Jul-22**

Client: EOG

Project: Dayton Battery

Sample ID: MB-68444 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68444 RunNo: 89143

Prep Date: 6/29/2022 Analysis Date: 6/29/2022 SeqNo: 3167724 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68444 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68444 RunNo: 89143

Prep Date: 6/29/2022 Analysis Date: 6/29/2022 SeqNo: 3167725 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.6 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206D52**

08-Jul-22

Client: EOG

Project: Dayton Battery

Project: Dayton	Battery								
Sample ID: MB-68386	SampType: I	//BLK	Tes	tCode: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 6	8386	F	RunNo: 89	114				
Prep Date: 6/27/2022	Analysis Date:	6/28/2022	S	SeqNo: 310	68753	Units: mg/K	(g		
Analyte	Result PQL	. SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1	5							
Motor Oil Range Organics (MRO)	ND 5	0							
Surr: DNOP	9.6	10.00		96.1	51.1	141			
Sample ID: LCS-68386	SampType: I	.cs	Tes	tCode: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 6	8386	F	RunNo: 89	114				
Prep Date: 6/27/2022	Analysis Date:	6/28/2022	8	SeqNo: 31 0	68754	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48 1	5 50.00	0	96.7	64.4	127			
Surr: DNOP	5.1	5.000		102	51.1	141			
Sample ID: MB-68415	SampType: I	/IBLK	Tes	tCode: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 6	8415	F	RunNo: 89	114				
Prep Date: 6/28/2022	Analysis Date:	6/30/2022	S	SeqNo: 31	70264	Units: mg/K	ίg		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1	5							
Motor Oil Range Organics (MRO)	ND 5	0							
Surr: DNOP	9.5	10.00		94.5	51.1	141			
Sample ID: LCS-68415	SampType: I	.cs	Tes	tCode: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch ID: 6	8415	F	RunNo: 89	114				
Prep Date: 6/28/2022	Analysis Date:	6/30/2022	S	SeqNo: 31	70265	Units: mg/K	ίg		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49 1	5 50.00	0	98.8	64.4	127			
Surr: DNOP	5.1	5.000		103	51.1	141			
Sample ID: MB-68483	SampType: I	//BLK	Tes	tCode: EP	A Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch ID: 6	8483	F	RunNo: 89	114				
Prep Date: 6/30/2022	Analysis Date:	7/1/2022	S	SeqNo: 31	71985	Units: %Red	C		
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
- 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

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Hall Environmental Analysis Laboratory, Inc.

5.5

WO#: **2206D52**

08-Jul-22

Client: EOG

Surr: DNOP

Project: Dayton Battery

Sample ID: LCS-68483 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 68483 RunNo: 89114

Prep Date: 6/30/2022 Analysis Date: 7/1/2022 SeqNo: 3171988 Units: %Rec

5.000

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

110

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206D52** *08-Jul-22*

Oll 1 FOG

Client: EOG

Project: Dayton Battery

Sample ID: Ics-68381 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 68381 RunNo: 89080

Prep Date: 6/27/2022 Analysis Date: 6/28/2022 SeqNo: 3164760 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Gasoline Range Organics (GRO) 26 5.0 25.00 Λ 103 72.3 137 Surr: BFB 2000 1000 196 37.7 212

Sample ID: mb-68381 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **68381** RunNo: **89080**

Prep Date: 6/27/2022 Analysis Date: 6/28/2022 SeqNo: 3164761 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 870 1000 87.5 37.7 212

Sample ID: mb-68382 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **68382** RunNo: **89090**

Prep Date: 6/27/2022 Analysis Date: 6/28/2022 SeqNo: 3165011 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 102 37.7 212

Sample ID: Ics-68382 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 68382 RunNo: 89090

Prep Date: 6/27/2022 Analysis Date: 6/28/2022 SeqNo: 3165012 Units: mg/Kg

Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** PQL LowLimit Qual 25.00 Gasoline Range Organics (GRO) 29 5.0 114 72.3 137 Surr: BFB 2200 1000 218 37.7 212 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

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Hall Environmental Analysis Laboratory, Inc.

ND

0.95

0.10

1.000

WO#: **2206D52**

08-Jul-22

Client: EOG

Project: Dayton Battery

Sample ID: Ics-68381	Samp	SampType: LCS TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batc	h ID: 68 :	381	F	RunNo: 8	9080				
Prep Date: 6/27/2022	Analysis [Date: 6/	28/2022	S	SeqNo: 3	164770	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.8	80	120			
Toluene	0.95	0.050	1.000	0	94.8	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.9	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.6	70	130			
Sample ID: mb-68381	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 68 :	381	F	RunNo: 89080					
Prep Date: 6/27/2022	Analysis [Date: 6/	28/2022	\$	SeqNo: 3	164771	Units: mg/k	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	0.85		1.000		85.2	70	130			
Sample ID: mb-68382	Samp	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS	Batc	h ID: 68 :	382	F	RunNo: 8	9090				
Prep Date: 6/27/2022	Analysis [Date: 6/	28/2022	S	SeqNo: 3	165039	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								

Sample ID: LCS-68382	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: 683	382	F	RunNo: 89	9090				
Prep Date: 6/27/2022	Analysis D	ate: 6/ 2	28/2022	8	SeqNo: 3	/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	84.9	80	120			
Toluene	0.90	0.050	1.000	0	89.6	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.1	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.0	70	130			

Qualifiers:

Xylenes, Total

Surr: 4-Bromofluorobenzene

- 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

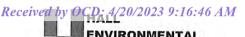
94.7

70

130

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

LABORATORY

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com Client Name: EOG Work Order Number: 2206D52 RcptNo: 1 Received By: Kasandra Payan 6/24/2022 8:16:00 AM Completed By: Cheyenne Cason 6/24/2022 9:11:35 AM DAD 6/24/02 Reviewed By: Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No L Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? No 🗌 Yes V NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No Yes V NA 🗌 5. Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes 🗸 No 🗌 8. Was preservative added to bottles? No V Yes NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗌 NA V Yes _ Yes 🗌 10. Were any sample containers received broken? No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes V No _ for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Yes V No 🗌 13. Is it clear what analyses were requested? Yes V No 🗌 Checked by CM Cleylue 14. Were all holding times able to be met? Yes V No 🗌 (If no, notify customer for authorization.)

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order?		Yes	No 🗆	NA 🗹
Person Notified: By Whom:	Date: Via:	eMail	☐ Phone ☐ Fax	☐ In Person
Regarding: Client Instructions:				

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good	Not Present	Line and		
2	2.0	Good	Not Present			

3	D 20/2023 9:16:46 AM Time: Relinquished by:	6123 8:35 WESZZ-07 Z'	Time Matrix Sample Name るつう んきにつり	email or Fax#: / QA/QC Package: Standard Level 4 (Full Validation) Accreditation:	Chain-of-Custody Record Chain-of-Custody Record Chain-of-Custody Record Chain-of-Custody Record Chain-of-Custody Record
Received by: Via: Date Time COUNTRY 6-24-22 8:16		(202	ervative 1.0-0.2-0.6 1.0-0.2-0.6 HEAL No. 2206052	Project Manager: MODICA DEDIDID Sampler: CD On Ice: Yes No # of Coolers: 2 2:4-6 2:2-0.2-2.0	Turn-Around Time: $S - DQq$ A Standard Rush Project Name: Project #: 25E-00123-00/
Time: Relinquished by: Received by: Remarks: CC: Chance Dixon Received by: Remarks: Remarks: CC: Chance Dixon Received by: Remarks: Remarks:			BTEX MT TPH:8015D 8081 Pestic EDB (Methor PAHs by 83 RCRA 8 Methor CI,F, Br, 1 8260 (VOA) 8270 (Semi	EBE / TMB's (8021) (GRO / DRO / MRO) cides/8082 PCB's od 504.1) 810 or 8270SIMS etals NO ₃ , NO ₂ , PO ₄ , SO ₄	HALL ENVIRONMENTA ANALYSIS LABORATOI www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request



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

September 26, 2022

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

FAX:

RE: Dayton ER Battery OrderNo.: 2209A38

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/21/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2209A38

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: TP22-26 0-4'

Project: Dayton ER Battery
 Collection Date: 9/15/2022 2:30:00 PM

 Lab ID: 2209A38-001
 Matrix: MEOH (SOIL)
 Received Date: 9/21/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	9/21/2022 6:19:32 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/21/2022 6:19:32 PM
Surr: DNOP	91.6	21-129	%Rec	1	9/21/2022 6:19:32 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	19	mg/Kg	5	9/21/2022 8:27:00 PM
Surr: BFB	103	37.7-212	%Rec	5	9/21/2022 8:27:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.094	mg/Kg	5	9/21/2022 8:27:00 PM
Toluene	ND	0.19	mg/Kg	5	9/21/2022 8:27:00 PM
Ethylbenzene	ND	0.19	mg/Kg	5	9/21/2022 8:27:00 PM
Xylenes, Total	ND	0.37	mg/Kg	5	9/21/2022 8:27:00 PM
Surr: 4-Bromofluorobenzene	85.9	70-130	%Rec	5	9/21/2022 8:27:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	360	60	mg/Kg	20	9/21/2022 9:18:45 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209A38**

26-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-70331 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 70331 RunNo: 91197

Prep Date: 9/21/2022 Analysis Date: 9/21/2022 SeqNo: 3264261 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-70331 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 70331 RunNo: 91197

Prep Date: 9/21/2022 Analysis Date: 9/21/2022 SeqNo: 3264262 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.4 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 5

Hall Environmental Analysis Laboratory, Inc.

2209A38 26-Sep-22

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-70316 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 70316 RunNo: 91190 Units: mg/Kg Prep Date: 9/21/2022 Analysis Date: 9/21/2022 SeqNo: 3262933 **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Diesel Range Organics (DRO) 37 15 50.00 0 73.1 64.4 127 Surr: DNOP 3.2 5.000 63.1 21 129

Sample ID: MB-70316 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 70316 RunNo: 91190 Prep Date: 9/21/2022 Analysis Date: 9/21/2022 SeqNo: 3262934 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Diesel Range Organics (DRO) ND 15
Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 7.3 10.00 72.9 21 129

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 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 2209A38

26-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2.5ug gro lcs2 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: **D91192** RunNo: 91192 Units: mg/Kg Prep Date: Analysis Date: 9/21/2022 SeqNo: 3263277 Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Gasoline Range Organics (GRO) 24 5.0 25.00 0 97.9 72.3 137 Surr: BFB 2200 1000 219 37.7 212 S

Sample ID: mb 2 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: **D91192** RunNo: 91192 Prep Date: Analysis Date: 9/21/2022 SeqNo: 3263834 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 980 37.7

1000

98.3

212

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209A38**

26-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 100ng btex lcs2	Samp1	Гуре: LC	s	Tes	tCode: EF					
Client ID: LCSS	Batc	h ID: E9 ′	1192	F	RunNo: 91192					
Prep Date:	Analysis [Date: 9/2	21/2022	5	SeqNo: 32	263294	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	83.3	80	120			
Toluene	0.85	0.050	1.000	0	85.1	80	120			
Ethylbenzene	0.85	0.050	1.000	0	85.2	80	120			
Xylenes, Total	2.5	0.10	3.000	0	84.2	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.2	70	130			

Sample ID: 2209a38-001a ms	SampT	SampType: MS TestCode: EPA Method 8021B: Volatiles										
Client ID: TP22-26 0-4'	Batch	n ID: E9 ′	1192	F	RunNo: 91							
Prep Date:	Analysis D	alysis Date: 9/21/2022 SeqNo: 3263301 Units:						ts: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	3.2	0.094	3.748	0	84.7	68.8	120					
Toluene	3.3	0.19	3.748	0	86.7	73.6	124					
Ethylbenzene	3.3	0.19	3.748	0	87.0	72.7	129					
Xylenes, Total	9.6	0.37	11.24	0	85.2	75.7	126					
Surr: 4-Bromofluorobenzene	3.2		3.748		86.2	70	130					

Sample ID: 2209A38-001A M	SD SampT	ype: MS	D	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: TP22-26 0-4'	Batch	n ID: E9 ′	1192	F	RunNo: 91						
Prep Date:	Analysis D	Date: 9/2	21/2022	5	SeqNo: 32						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	3.1	0.094	3.748	0	81.9	68.8	120	3.38	20		
Toluene	3.1	0.19	3.748	0	82.5	73.6	124	5.06	20		
Ethylbenzene	3.1	0.19	3.748	0	83.5	72.7	129	4.10	20		
Xylenes, Total	9.3	0.37	11.24	0	82.5	75.7	126	3.22	20		
Surr: 4-Bromofluorobenzene	3.2		3.748		84.1	70	130	0	0		

Sample ID: mb 2	Samp1	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	n ID: E9	1192	F	RunNo: 91	1192				
Prep Date:	Analysis D	Date: 9/ 2	21/2022	9	SeqNo: 32	263835	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	0.85		1.000		85.0	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
- 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 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Vertex Resources Services, Inc.	Work Order Number:	2209	A38			RcptNo: 1
Received By:	Juan Rojas	9/21/2022 7:30:00 AM			Charles	9	
Completed By:	Cheyenne Cason	9/21/2022 8:38:07 AM			Charl	-	
Reviewed By:	J. 9.21.22						
Chain of Cus	etody						
	ustody complete?		Yes	~	No		Not Present
	sample delivered?		Cour				
l on la							
Log In 3. Was an atten	npt made to cool the samp	ples?	Yes	✓	No		NA 🗆
4. Were all sam	ples received at a tempera	ature of >0° C to 6.0°C	Yes	V	No		NA 🗆
5. Sample(s) in	proper container(s)?		Yes	V	No		
6. Sufficient san	nple volume for indicated	test(s)?	Yes	V	No [
7. Are samples	(except VOA and ONG) p	roperly preserved?	Yes	~	No [
8. Was preserva	ative added to bottles?		Yes		No	V	NA 🗆
9. Received at le	east 1 vial with headspace	e <1/4" for AQ VOA?	Yes		No		NA 🗹
10, Were any sa	mple containers received	broken?	Yes		No	~	# of preserved
	ork match bottle labels? pancies on chain of custod	(v)	Yes	V	No		bottles checked for pH: (<2 or >12 unless noted)
The second second second	correctly identified on Cha		Yes	~	No		Adjusted?
	at analyses were requeste		Yes		No		1 1
14. Were all hold	ling times able to be met?		Yes		No		enecked by: JN 9/21/2
	lling (if applicable)						
	notified of all discrepancies	s with this order?	Yes		No		NA 🗹
Person	n Notified:	Date:				_	
By Wh	nom:	Via:	eN	lail [] Phone [Fax	☐ In Person
Regar	ding:						
Client	Instructions:						
16. Additional r	emarks:						
17. <u>Cooler Info</u> Cooler N		n Seal Intact Seal No	Seal I	Date	Signed I	Bv	

O	hain-	of-Ci	Chain-of-Custody Record	Turn-Around Time:	d Time:					1		İ			
Olient: Vertex (E0G)	Verk	K (E	(50	Standard	d IZ Rush	1, 48 hr				HALL	Z Z		RON	HALL ENVIRONMENTAL ANALYSTS LABORATORY	_ >
				Project Name:					3	ww.ha	llenvir	onme	www.hallenvironmental.com		4
Mailing,	Address:	B	Lila	Dayton	R	Dorten		4901 F	4901 Hawkins NE	s NE	- Albu	lanera	Albuqueraue. NM 87109	17109	
5/1/2			0	Project #:				Tel. 5	Tel. 505-345-3975	10		Fax 50	505-345-4107	07	
.# Bhone #:	2.0			122E-00	123-	10				,	Analysis		Request		
email or Fax#:	Fax#:			Project Manager:	ager:			(0			[†] О		(tu		
© Standard Standard	ackage: lard		☐ Level 4 (Full Validation)	Σ	Toll #			4.00		SMIS	S '⁵Od		əsdA\t		
Accreditation:	بے ا	□ Az Cc		Sampler:	SPC	, ,		777	(1.t	7/78	'ZON	(
□ NELAC		□ Other		On Ice:	Z∃-Yes	ON 🗆			09		, _E C	AO			
	(adkii)			Cooler Tempirehidia Cev.	Drinchiding CEV.	(0.) 7.1-07	8TN		роц		_		0.00		
qtc	Time	Motric	Sample Name	Container Type and #	Preservative	HEAL No.	IEN V	PH:8015	DB (We	AHs by	,¹B ,∃ ((OV) 092 98) 072	iloO lsto		
1.	8	Spil	TD17-71-C-CT			600		10	1		-	-			
	3	5	17 17 17			3	\$	<u> </u>			s				
9/15	Time: 16:16	Sally C	ed by:	Received by:	Via:	Offight PDD	Remarks:	ırks:	<u> </u>		,		3	,	
Date: Time: F	Time:	Relinquished by:	ed by:	Received by:	Via: V	Date Time			3	2	+	Dil	ourect bill told	<u>r</u>	



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

September 27, 2022

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

FAX:

RE: Dayton ER Battery OrderNo.: 2209B47

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/22/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2209B47

Date Reported: 9/27/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP22-28 0-4'

 Project:
 Dayton ER Battery
 Collection Date: 9/20/2022 1:45:00 PM

 Lab ID:
 2209B47-001
 Matrix: MEOH (SOIL)
 Received Date: 9/22/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	9/22/2022 11:05:00 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/22/2022 11:05:00 AM
Surr: DNOP	100	21-129	%Rec	1	9/22/2022 11:05:00 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	9/22/2022 9:16:45 AM
Surr: BFB	94.5	37.7-212	%Rec	1	9/22/2022 9:16:45 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.020	mg/Kg	1	9/22/2022 9:16:45 AM
Toluene	ND	0.040	mg/Kg	1	9/22/2022 9:16:45 AM
Ethylbenzene	ND	0.040	mg/Kg	1	9/22/2022 9:16:45 AM
Xylenes, Total	ND	0.079	mg/Kg	1	9/22/2022 9:16:45 AM
Surr: 4-Bromofluorobenzene	98.0	70-130	%Rec	1	9/22/2022 9:16:45 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	73	60	mg/Kg	20	9/22/2022 12:26:20 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

Hall Environmental Analysis Laboratory, Inc.

2209B47

WO#:

27-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-70350 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 70350 RunNo: 91229

Prep Date: 9/22/2022 Analysis Date: 9/22/2022 SeqNo: 3265703 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-70350 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 70350 RunNo: 91229

Prep Date: 9/22/2022 Analysis Date: 9/22/2022 SeqNo: 3265704 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 95.3 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 5

Hall Environmental Analysis Laboratory, Inc.

2209B47 27-Sep-22

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-70343 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 70343 RunNo: 91228 Units: mg/Kg Prep Date: 9/22/2022 Analysis Date: 9/22/2022 SeqNo: 3264488 **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Diesel Range Organics (DRO) 34 15 50.00 0 69.0 64.4 127 Surr: DNOP 3.0 5.000 59.9 21 129

Sample ID: MB-70343 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 70343 RunNo: 91228 Prep Date: Analysis Date: 9/22/2022 9/22/2022 SeqNo: 3264490 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Diesel Range Organics (DRO) ND 15
Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 8.8 10.00 87.9 21 129

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 5

Hall Environmental Analysis Laboratory, Inc.

2209B47

WO#:

27-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-70327 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 70327 RunNo: 91225 Units: mg/Kg Prep Date: 9/21/2022 Analysis Date: 9/22/2022 SeqNo: 3265220 PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Gasoline Range Organics (GRO) 26 5.0 25.00 0 102 72.3 137 Surr: BFB 2000 1000 198 37.7 212

Sample ID: mb-70327 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 70327 RunNo: 91225 Prep Date: 9/21/2022 Analysis Date: 9/22/2022 SeqNo: 3265222 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 5.0

Gasoline Range Organics (GRO) ND

960 Surr: BFB 1000 96.4 37.7 212

Qualifiers:

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

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209B47**

27-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-70327	Samp	Гуре: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 70 3	327	F	RunNo: 9	1225				
Prep Date: 9/21/2022	Analysis [Date: 9/2	22/2022	9	SeqNo: 32	265259	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.8	80	120			
Toluene	0.99	0.050	1.000	0	99.4	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: mb-70327	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	h ID: 70 3	327	F	RunNo: 9	1225				
Prep Date: 9/21/2022	Analysis [Date: 9/ 2	22/2022		SeqNo: 32	265261	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	1.0		1.000		100	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 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Vertex Resources Services, Inc.	Work Order Num	ber: 220	9B47		RcptN	o: 1
Received By:	Juan Rojas	9/22/2022 7:30:00	AM		flouren g		
Completed By:	Cheyenne Cason	9/22/2022 7:55:39	АМ		Chal		
Chain of Cus	stody						
1. Is Chain of C	ustody complete?		Yes	~	No 🗆	Not Present	
2. How was the	sample delivered?		Cou	rier			
Log In							
	npt made to cool the sampl	es?	Yes	~	No 🗌	NA 🗆	
4. Were all samp	ples received at a temperat	ure of >0° C to 6.0°C	Yes	V	No 🗌	NA 🗆	
5. Sample(s) in	proper container(s)?		Yes	V	No 🗌		
6. Sufficient sam	nple volume for indicated te	st(s)?	Yes	~	No 🗌		
7. Are samples (except VOA and ONG) pro	perly preserved?	Yes	V	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	mple containers received br	oken?	Yes		No 🗸		
	ork match bottle labels? ancies on chain of custody)		Yes	V	No 🗆	# of preserved bottles checked for pH:	
	correctly identified on Chain	of Custody?	Yes	V	No 🗌	Adjusted?	or >12 unless noted)
	t analyses were requested?		Yes	~	No 🗆	/	
14. Were all holdi	ng times able to be met? ustomer for authorization.)		Yes		No 🗆	Checked by:	Jn9/22/2
	ing (if applicable)						
	tified of all discrepancies w	ith this order?	Yes		No 🗌	NA 🗹	
Person	Notified:	Date					
By Who	om:	Via:	□ eMa	ail 🖂	Phone Fax	In Person	
Regardi	ing:				🗀 . 🧥		
Client Ir	nstructions:						
16. Additional rer	marks:						
17. <u>Cooler Information</u> Cooler No	Temp °C Condition	Seal Intact Seal No	Seal D	ate	Signed By		

Walling Address: 1.					1	1	I I	1		Y	HALL ENVIRONMENTAL		ed L
	(190	☐ Standard	12 Rush	ctin			A	ALY	SIS	7	ANALYSIS LABORATOR		by O
		Project Name:			Ø		14040	moo letacanaciivaellet waaan	riconivo	letuon			CD
	on Lile	Dayton t	ER Battery	ten	46	301 Ha	www	V. Ialici	Il prioriti	liellial erdue	www.nanenvinorimental.com 4901 Hawkins NE - Albuquerque, NM 87109		: 4/2
		Project #:				Tel 505	505-345-3975	975	Fax	505.3/	505-345-4107		0/20
Phone #:		22E-	10-82100-	10-		200		Ans	Analysis	Request	st		23 9
email or Fax#:		Project Manager:	uje sie					.0		/+-	(2)	E	:16:
QA/QC Package: □ Standard	☐ Level 4 (Full Validation)	Mich	Michael Magnit	是于	1208) s' 1902 (802		SWISC	PO₄, S	0 170 1	.009(7);	nəsdA\tı		46 AM
::		Sampler:	SPC	W 20		2808		ON	17011				
(be)		# of Coolers:	- 25	02		/səp			100		1)		
		(inclt	ding CF): U-Storl	to1120.9 (°C)		ioite	-			11000			
Date Time Matrix	Sample Name	Container Prese	ervative	HEAL No.		94 r808	M) BDE	8 ARDS	v) 0928	S) 0728	20 1020		
0 13:45				18	-	3		1	-				
													-
UL.		Received by:	Via:	Date Time	Remarks	- is							Pa
7/20 13-33 000 Date: Time: Relinqui	Relinquished by:	Received by: Via:	ia:	Date Time		7	MIN	Wint bill FOG	# 11	20			ge 11
1911 19m 190	Church J	A	1.60	Sic chala		3	3	,	-	}			6 of



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

October 12, 2022

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

FAX:

RE: Dayton ER Battery OrderNo.: 2209F94

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 3 sample(s) on 9/29/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical ReportLab Order **2209F94**

Date Reported: 10/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP22-29 0-4'

Project: Dayton ER Battery
 Collection Date: 9/27/2022 9:45:00 AM

 Lab ID: 2209F94-001
 Matrix: SOIL
 Received Date: 9/29/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	9/30/2022 11:22:59 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	9/30/2022 11:22:59 PM
Surr: DNOP	95.3	21-129	%Rec	1	9/30/2022 11:22:59 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/30/2022 10:48:02 AM
Surr: BFB	98.4	37.7-212	%Rec	1	9/30/2022 10:48:02 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	9/30/2022 10:48:02 AM
Toluene	ND	0.049	mg/Kg	1	9/30/2022 10:48:02 AM
Ethylbenzene	ND	0.049	mg/Kg	1	9/30/2022 10:48:02 AM
Xylenes, Total	ND	0.098	mg/Kg	1	9/30/2022 10:48:02 AM
Surr: 4-Bromofluorobenzene	99.4	70-130	%Rec	1	9/30/2022 10:48:02 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	3000	150	mg/Kg	50	10/4/2022 1:47:35 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
- 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

Analytical ReportLab Order **2209F94**

Date Reported: 10/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP22-30 0-4'

Project: Dayton ER Battery
 Collection Date: 9/27/2022 9:55:00 AM

 Lab ID: 2209F94-002
 Matrix: SOIL
 Received Date: 9/29/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: TOM
Diesel Range Organics (DRO)	150	15	mg/Kg	1	10/8/2022 6:30:52 AM
Motor Oil Range Organics (MRO)	450	49	mg/Kg	1	10/8/2022 6:30:52 AM
Surr: DNOP	124	21-129	%Rec	1	10/8/2022 6:30:52 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/30/2022 11:58:38 AM
Surr: BFB	93.3	37.7-212	%Rec	1	9/30/2022 11:58:38 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	9/30/2022 11:58:38 AM
Toluene	ND	0.049	mg/Kg	1	9/30/2022 11:58:38 AM
Ethylbenzene	ND	0.049	mg/Kg	1	9/30/2022 11:58:38 AM
Xylenes, Total	ND	0.098	mg/Kg	1	9/30/2022 11:58:38 AM
Surr: 4-Bromofluorobenzene	99.1	70-130	%Rec	1	9/30/2022 11:58:38 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	280	60	mg/Kg	20	10/1/2022 1:21:06 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 2 of 7

Analytical ReportLab Order **2209F94**

Date Reported: 10/12/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP22-23 0-4'

Project:Dayton ER BatteryCollection Date: 9/27/2022 10:55:00 AMLab ID:2209F94-003Matrix: SOILReceived Date: 9/29/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	10/1/2022 12:05:55 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	10/1/2022 12:05:55 AM
Surr: DNOP	96.3	21-129	%Rec	1	10/1/2022 12:05:55 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/30/2022 1:09:12 PM
Surr: BFB	94.9	37.7-212	%Rec	1	9/30/2022 1:09:12 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	9/30/2022 1:09:12 PM
Toluene	ND	0.050	mg/Kg	1	9/30/2022 1:09:12 PM
Ethylbenzene	ND	0.050	mg/Kg	1	9/30/2022 1:09:12 PM
Xylenes, Total	ND	0.099	mg/Kg	1	9/30/2022 1:09:12 PM
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	9/30/2022 1:09:12 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	1300	60	mg/Kg	20	10/1/2022 1:58:19 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
- 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

rting Limit Page 3 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F94**

13-Oct-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-70532 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 70532 RunNo: 91459

Prep Date: 9/30/2022 Analysis Date: 10/1/2022 SeqNo: 3275048 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-70532 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 70532 RunNo: 91459

Prep Date: 9/30/2022 Analysis Date: 10/1/2022 SeqNo: 3275049 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 98.4 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative 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

Hall Environmental Analysis Laboratory, Inc.

3.8

WO#: **2209F94**

13-Oct-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID:	2209F94-001AMS	SampT	уре: М.	<u></u>	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	TP22-29 0-4'	Batch	ID: 70 4	498	F	RunNo: 91	1439				
Prep Date:	9/29/2022	Analysis D	ate: 9/ 3	30/2022	5	SeqNo: 32	276329	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	32	15	48.83	0	66.2	36.1	154			
Surr: DNOP		3.2		4.883		66.5	21	129			
Sample ID:	2209F94-001AMSD	SampT	уре: М.	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	TP22-29 0-4'	Batch	ID: 70 4	498	F	RunNo: 91	1439				
Prep Date:	9/29/2022	Analysis D	ate: 9/ :	30/2022	5	SeqNo: 32	276330	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	29	15	48.83	0	59.5	36.1	154	10.6	33.9	
Surr: DNOP		2.9		4.883		58.9	21	129	0	0	
Sample ID:	LCS-70498	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID:	LCSS	Batch	ID: 70 4	498	F	RunNo: 91	1439				
Prep Date:	9/29/2022	Analysis D	ate: 9/ 3	30/2022	9	SeqNo: 32	276339	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range (Organics (DRO)	34	15	50.00	0	68.6	64.4	127		<u> </u>	

Sample ID: MB-70498	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch	1D: 70 4	198	F	RunNo: 91	1439				
Prep Date: 9/29/2022	Analysis D	ate: 9/ 3	30/2022	5	SeqNo: 32	276341	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.4	21	129			

5.000

21

129

75.0

Qualifiers:

Surr: DNOP

- 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

Hall Environmental Analysis Laboratory, Inc.

2000

2209F94 13-Oct-22

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2209f94-001ams	Samp	Гуре: МЅ	;	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: TP22-29 0-4'	Batcl	h ID: 70 4	194	F	RunNo: 91	1470				
Prep Date: 9/29/2022	Analysis [Date: 9/ 3	30/2022	5	SeqNo: 32	276037	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	24.80	0	116	70	130			
Surr: BFB	2100		992.1		211	37.7	212			
Sample ID: 2209f94-001amsd	Samp1	SampType: MSD TestCode: EPA Method 8015D: Gasoline Range								
Client ID: TP22-29 0-4'	Batcl	h ID: 70 4	194	F	RunNo: 91	1470				
Prep Date: 9/29/2022	Analysis [Date: 9/ 3	30/2022	5	SeqNo: 32	276038	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: LCS-70494	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: LCSS	Batch	ID: 70 4	194	F	RunNo: 9 1	1470				
Prep Date: 9/29/2022	Analysis D	ate: 9/ 3	30/2022	5	SeqNo: 32	276041	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	72.3	137			
Surr: BFB	1900		1000		190	37.7	212			

203

37.7

212

0

0

985.2

Sample ID: mb-70494	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: PBS	Batch	1D: 70 4	194	F	RunNo: 91	1470				
Prep Date: 9/29/2022	Analysis D	ate: 9/ 3	30/2022	5	SeqNo: 32	276043	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		100	37.7	212			

Qualifiers:

Surr: BFB

- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2209F94**

13-Oct-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2209f94-002ams	SampT	уре: МЅ	1	Tes	tCode: EF	PA Method	8021B: Volati	les			
Client ID: TP22-30 0-4'	Batcl	n ID: 70 4	194	F	RunNo: 9	1470					
Prep Date: 9/29/2022	Analysis D	Date: 9/3	30/2022	SeqNo: 3276052			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.0	0.024	0.9747	0	106	68.8	120				
Toluene	1.1	0.049	0.9747	0	111	73.6	124				
Ethylbenzene	1.1	0.049	0.9747	0	111	72.7	129				
Xylenes, Total	3.3	0.097	2.924	0.01814	111	75.7	126				
Surr: 4-Bromofluorobenzene	0.99		0.9747		101	70	130				

Sample ID: 2209f94-002amsd	SampT	ype: MS	D	Tes	tCode: EF	PA Method	8021B: Volati	les			
Client ID: TP22-30 0-4'	Batch	n ID: 704	94	F	RunNo: 91	1470					
Prep Date: 9/29/2022	Analysis D	Date: 9/3	30/2022	5	SeqNo: 32	276053	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.89	0.024	0.9756	0	91.2	68.8	120	14.9	20		
Toluene	0.93	0.049	0.9756	0	95.2	73.6	124	14.9	20		
Ethylbenzene	0.94	0.049	0.9756	0	96.0	72.7	129	14.0	20		
Xylenes, Total	2.8	0.098	2.927	0.01814	95.3	75.7	126	15.0	20		
Surr: 4-Bromofluorobenzene	0.96		0.9756		98.6	70	130	0	0		

Sample ID: Ics-70494	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 70 4	194	F	RunNo: 91	1470				
Prep Date: 9/29/2022	Analysis [Date: 9/3	30/2022	SeqNo: 3276055			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.4	80	120			
Toluene	0.91	0.050	1.000	0	91.0	80	120			
Ethylbenzene	0.91	0.050	1.000	0	91.2	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	70	130			

Sample ID: mb-70494	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les			
Client ID: PBS	Batch	n ID: 70 4	194	F	RunNo: 91	1470					
Prep Date: 9/29/2022	Analysis D	oate: 9/3	30/2022	SeqNo: 3276056			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	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

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Vertex Re Services,		Wor	k Order Nur	mber: 220	9F94		RcptNo: 1	
Received By:	Juan Ro	jas	9/29/2	022 7:30:00) AM		Guara	<u>G</u>	
Completed By:	Tracy Ca	asarrubias	9/29/2	022 8:02:47	7 AM				
Reviewed By:	onal	29/22					*		
Chain of Cus	stody								
1. Is Chain of C	ustody com	plete?			Yes	V	No [☐ Not Present ☐	
2. How was the	sample deli	ivered?			Cou	ırier			
Log In									
3. Was an atten	npt made to	cool the sam	ples?		Yes	V	No [□ NA □	
4. Were all samp	ples receive	d at a tempe	rature of >0° C	to 6.0°C	Yes	V	No [□ NA □	
5. Sample(s) in	proper conta	ainer(s)?			Yes	V	No [
6. Sufficient sam	ple volume	for indicated	test(s)?		Yes	V	No []	
7. Are samples (except VOA	and ONG) p	roperly preserv	ed?	Yes	~	No [
8. Was preserva	tive added to	o bottles?			Yes		No 🗸	NA 🗆	
9. Received at le	ast 1 vial wi	th headspace	e <1/4" for AQ \	/OA?	Yes		No 🗆	NA ☑	
10. Were any san	nple contain	ers received	broken?		Yes		No 🔽		
11. Does paperwo (Note discrepa			(v)		Yes	V	No 🗆		41
12. Are matrices o					Yes	~	No 🗆	(<2 or >12 unless no Adjusted2	otea)
13. Is it clear what						V	No [
 Were all holding (If no, notify current) 	ng times abl	e to be met?	Υ.		Yes	✓	No 🗆	Checked by: KW Q	29
Special Handli			,						
15. Was client not			with this order?	,	Yes		No [] NA ☑	
Person I	Notified:			Date				-	
By Who	m:			Via:	eMa	ail 🔲	Phone Fa	ax In Person	
Regardin	970								
	structions:								
16. Additional ren	narks:								
17. <u>Cooler Inform</u> Cooler No	nation Temp °C	Condition	Seal Intact	Seal No	Seal Da	ate	Signed By		
1	1.0	Good	Yes				y		

Mailing Address: An (i.l.,						LALL ENVIRONMENTAL	
th lile.	☐ Standard 【VRush	4014			VCTC	ANAL VETS I ABODATORY	- B
the lile.	;;				010	LABORAL	
MA	Dayton ER Battery	ten	4901 H	www.na 4901 Hawkins NF -	www.nailenvironmental.com	anvironmental.com	: 4/2
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Phone #:	225-00 023-01	ō	19. 30	A A	Analysis Request	303-345-4107 Reguest	9
email or Fax#: Proj	Project Manager:				†C	(1)	:16:
QA/QC Package:	M MONTH		s (8021 O / MRC	SWIS	DS ,₄O9	inəsdA\t	:46 AM
Accreditation: Az Compliance Sample			אם / כ				
ype)	olers: 1	NO.	SRC	0 0			
	(including CF): /	-1-1-0 (°C)	12D(£8 y	(AO		
x Sample Name	Container Preservative Type and #	HEAL NO.		M) ADE PAHs b RAPS ARS	V) 0928 S) 0758		
10-0	100	100	1		3		
TP22-30 0-4"	_	200	7		7		
10:55 1 1722-23 0-4'		063	7		7		
Relinquished by: Sulfa Cartler	· WM	9 38/33 1030	Remarks:	1 1 1 100 mg	303 11:		Page
	Received by: Via:	Spart Time Algebra	0	ured			126 of



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

June 15, 2022

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

FAX:

RE: Dayton ER Battery OrderNo.: 2206109

Dear Monica Peppin:

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

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 6/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-02 1'

Project: Dayton ER Battery
 Collection Date: 5/31/2022 9:00:00 AM

 Lab ID: 2206109-001
 Matrix: SOIL
 Received Date: 6/2/2022 7:30:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: TOM
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/7/2022 12:06:38 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/7/2022 12:06:38 PM
Surr: DNOP	116	51.1-141	%Rec	1	6/7/2022 12:06:38 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	3800	150	mg/Kg	50	6/8/2022 2:32:29 PM
EPA METHOD 8260B: VOLATILES SHORT LIST	Г				Analyst: JR
Benzene	ND	0.024	mg/Kg	1	6/3/2022 5:08:42 PM
Toluene	ND	0.048	mg/Kg	1	6/3/2022 5:08:42 PM
Ethylbenzene	ND	0.048	mg/Kg	1	6/3/2022 5:08:42 PM
Xylenes, Total	ND	0.096	mg/Kg	1	6/3/2022 5:08:42 PM
Surr: 1,2-Dichloroethane-d4	109	70-130	%Rec	1	6/3/2022 5:08:42 PM
Surr: 4-Bromofluorobenzene	96.8	70-130	%Rec	1	6/3/2022 5:08:42 PM
Surr: Dibromofluoromethane	117	70-130	%Rec	1	6/3/2022 5:08:42 PM
Surr: Toluene-d8	95.2	70-130	%Rec	1	6/3/2022 5:08:42 PM
EPA METHOD 8015D MOD: GASOLINE RANGE	Ē				Analyst: JR
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/3/2022 5:08:42 PM
Surr: BFB	103	70-130	%Rec	1	6/3/2022 5:08:42 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

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Date Reported: 6/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-03 1

Project: Dayton ER Battery
 Collection Date: 5/31/2022 9:05:00 AM

 Lab ID: 2206109-002
 Matrix: SOIL
 Received Date: 6/2/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: TOM
Diesel Range Organics (DRO)	91	15	mg/Kg	1	6/9/2022 11:09:20 AM
Motor Oil Range Organics (MRO)	150	48	mg/Kg	1	6/9/2022 11:09:20 AM
Surr: DNOP	106	51.1-141	%Rec	1	6/9/2022 11:09:20 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	4800	300	mg/Kg	100	6/8/2022 2:44:49 PM
EPA METHOD 8260B: VOLATILES SHORT LI	ST				Analyst: JR
Benzene	ND	0.024	mg/Kg	1	6/3/2022 5:37:23 PM
Toluene	ND	0.048	mg/Kg	1	6/3/2022 5:37:23 PM
Ethylbenzene	ND	0.048	mg/Kg	1	6/3/2022 5:37:23 PM
Xylenes, Total	ND	0.097	mg/Kg	1	6/3/2022 5:37:23 PM
Surr: 1,2-Dichloroethane-d4	97.9	70-130	%Rec	1	6/3/2022 5:37:23 PM
Surr: 4-Bromofluorobenzene	94.9	70-130	%Rec	1	6/3/2022 5:37:23 PM
Surr: Dibromofluoromethane	112	70-130	%Rec	1	6/3/2022 5:37:23 PM
Surr: Toluene-d8	95.9	70-130	%Rec	1	6/3/2022 5:37:23 PM
EPA METHOD 8015D MOD: GASOLINE RANG	GE				Analyst: JR
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/3/2022 5:37:23 PM
Surr: BFB	103	70-130	%Rec	1	6/3/2022 5:37:23 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-09 0'

Project: Dayton ER Battery **Collection Date:** 5/31/2022 9:15:00 AM 2206109-003 Lab ID: Matrix: SOIL Received Date: 6/2/2022 7:30:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGAN	lics				Analyst: TOM
Diesel Range Organics (DRO)	18	14	mg/Kg	1	6/7/2022 12:34:29 PM
Motor Oil Range Organics (MRO)	77	46	mg/Kg	1	6/7/2022 12:34:29 PM
Surr: DNOP	91.3	51.1-141	%Rec	1	6/7/2022 12:34:29 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	ND	60	mg/Kg	20	6/8/2022 3:28:51 AM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: JR
Benzene	ND	0.025	mg/Kg	1	6/3/2022 6:05:59 PM
Toluene	ND	0.049	mg/Kg	1	6/3/2022 6:05:59 PM
Ethylbenzene	ND	0.049	mg/Kg	1	6/3/2022 6:05:59 PM
Xylenes, Total	ND	0.098	mg/Kg	1	6/3/2022 6:05:59 PM
Surr: 1,2-Dichloroethane-d4	99.2	70-130	%Rec	1	6/3/2022 6:05:59 PM
Surr: 4-Bromofluorobenzene	97.4	70-130	%Rec	1	6/3/2022 6:05:59 PM
Surr: Dibromofluoromethane	109	70-130	%Rec	1	6/3/2022 6:05:59 PM
Surr: Toluene-d8	96.4	70-130	%Rec	1	6/3/2022 6:05:59 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: JR
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/3/2022 6:05:59 PM
Surr: BFB	106	70-130	%Rec	1	6/3/2022 6:05:59 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

Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Е Estimated value

J Analyte detected below quantitation limits

Sample pH Not In Range

Page 3 of 10 RL Reporting Limit

Date Reported: 6/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH22-09 4'

 Project:
 Dayton ER Battery
 Collection Date: 5/31/2022 10:40:00 AM

 Lab ID:
 2206109-004
 Matrix: SOIL
 Received Date: 6/2/2022 7:30:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: TOM
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/7/2022 12:48:26 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/7/2022 12:48:26 PM
Surr: DNOP	106	51.1-141	%Rec	1	6/7/2022 12:48:26 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	620	60	mg/Kg	20	6/8/2022 3:41:16 AM
EPA METHOD 8260B: VOLATILES SHORT LIS	Т				Analyst: JR
Benzene	ND	0.023	mg/Kg	1	6/3/2022 6:34:34 PM
Toluene	ND	0.046	mg/Kg	1	6/3/2022 6:34:34 PM
Ethylbenzene	ND	0.046	mg/Kg	1	6/3/2022 6:34:34 PM
Xylenes, Total	ND	0.092	mg/Kg	1	6/3/2022 6:34:34 PM
Surr: 1,2-Dichloroethane-d4	100	70-130	%Rec	1	6/3/2022 6:34:34 PM
Surr: 4-Bromofluorobenzene	95.4	70-130	%Rec	1	6/3/2022 6:34:34 PM
Surr: Dibromofluoromethane	112	70-130	%Rec	1	6/3/2022 6:34:34 PM
Surr: Toluene-d8	98.9	70-130	%Rec	1	6/3/2022 6:34:34 PM
EPA METHOD 8015D MOD: GASOLINE RANG	E				Analyst: JR
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	6/3/2022 6:34:34 PM
Surr: BFB	105	70-130	%Rec	1	6/3/2022 6:34:34 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH22-10 0'

 Project:
 Dayton ER Battery
 Collection Date: 5/31/2022 10:30:00 AM

 Lab ID:
 2206109-005
 Matrix: SOIL
 Received Date: 6/2/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: TOM
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/7/2022 1:02:12 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	6/7/2022 1:02:12 PM
Surr: DNOP	94.0	51.1-141	%Rec	1	6/7/2022 1:02:12 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	110	61	mg/Kg	20	6/8/2022 3:53:41 AM
EPA METHOD 8260B: VOLATILES SHORT LI	ST				Analyst: JR
Benzene	ND	0.024	mg/Kg	1	6/3/2022 7:03:09 PM
Toluene	ND	0.047	mg/Kg	1	6/3/2022 7:03:09 PM
Ethylbenzene	ND	0.047	mg/Kg	1	6/3/2022 7:03:09 PM
Xylenes, Total	ND	0.095	mg/Kg	1	6/3/2022 7:03:09 PM
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	6/3/2022 7:03:09 PM
Surr: 4-Bromofluorobenzene	99.4	70-130	%Rec	1	6/3/2022 7:03:09 PM
Surr: Dibromofluoromethane	115	70-130	%Rec	1	6/3/2022 7:03:09 PM
Surr: Toluene-d8	95.7	70-130	%Rec	1	6/3/2022 7:03:09 PM
EPA METHOD 8015D MOD: GASOLINE RANG	GE				Analyst: JR
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/3/2022 7:03:09 PM
Surr: BFB	107	70-130	%Rec	1	6/3/2022 7:03:09 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
- 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

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Date Reported: 6/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-10 2'

 Project:
 Dayton ER Battery
 Collection Date: 5/31/2022 10:35:00 AM

 Lab ID:
 2206109-006
 Matrix: SOIL
 Received Date: 6/2/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: TOM
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/7/2022 1:15:54 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/7/2022 1:15:54 PM
Surr: DNOP	92.3	51.1-141	%Rec	1	6/7/2022 1:15:54 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	190	60	mg/Kg	20	6/8/2022 4:06:06 AM
EPA METHOD 8260B: VOLATILES SHORT	LIST				Analyst: JR
Benzene	ND	0.025	mg/Kg	1	6/3/2022 7:31:42 PM
Toluene	ND	0.050	mg/Kg	1	6/3/2022 7:31:42 PM
Ethylbenzene	ND	0.050	mg/Kg	1	6/3/2022 7:31:42 PM
Xylenes, Total	ND	0.099	mg/Kg	1	6/3/2022 7:31:42 PM
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	6/3/2022 7:31:42 PM
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	1	6/3/2022 7:31:42 PM
Surr: Dibromofluoromethane	116	70-130	%Rec	1	6/3/2022 7:31:42 PM
Surr: Toluene-d8	95.7	70-130	%Rec	1	6/3/2022 7:31:42 PM
EPA METHOD 8015D MOD: GASOLINE RA	ANGE				Analyst: JR
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/3/2022 7:31:42 PM
Surr: BFB	105	70-130	%Rec	1	6/3/2022 7:31:42 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206109**

15-Jun-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-67954 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **67954** RunNo: **88553**

Prep Date: 6/7/2022 Analysis Date: 6/7/2022 SeqNo: 3142296 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-67954 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 67954 RunNo: 88553

Prep Date: 6/7/2022 Analysis Date: 6/8/2022 SeqNo: 3142297 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.2 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206109**

15-Jun-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-67875 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 67875 RunNo: 88532 Prep Date: 6/3/2022 Analysis Date: 6/7/2022 SeqNo: 3141575 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Result LowLimit Diesel Range Organics (DRO) ND 15 Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 11 10.00 106 51.1 141

Sample ID: LCS-67875 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 67875 RunNo: 88532 Prep Date: 6/3/2022 Analysis Date: 6/7/2022 SeqNo: 3141576 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Diesel Range Organics (DRO) 45 15 50.00 0 89.4 64.4 127 Surr: DNOP 4.3 5.000 85.4 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206109** *15-Jun-22*

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-67869	Samp	ampType: LCS4 TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batcl	h ID: 678	869	F	RunNo: 88	3481				
Prep Date: 6/2/2022	Analysis [Date: 6/ 3	3/2022	5	SeqNo: 31	139106	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	85.4	80	120			
Toluene	0.92	0.050	1.000	0	91.6	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.1	80	120			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.2	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		98.4	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.49		0.5000		97.7	70	130			

Sample ID: mb-67869	Samp ⁻	Гуре: МЕ	BLK	TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: PBS	Batc	h ID: 678	369	RunNo: 88481						
Prep Date: 6/2/2022	Analysis [Date: 6/ 3	3/2022	;	SeqNo: 31	139107	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: 1,2-Dichloroethane-d4	0.50		0.5000		101	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.0	70	130			
Surr: Dibromofluoromethane	0.55		0.5000		110	70	130			
Surr: Toluene-d8	0.49		0.5000		97.4	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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206109**

15-Jun-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-67869 SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: LCSS Batch ID: 67869 RunNo: 88481 Units: mg/Kg Prep Date: 6/2/2022 Analysis Date: 6/3/2022 SeqNo: 3139132 **PQL** SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual

 Gasoline Range Organics (GRO)
 22
 5.0
 25.00
 0
 87.9
 70
 130

 Surr: BFB
 510
 500.0
 101
 70
 130

Sample ID: mb-67869 SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: PBS Batch ID: 67869 RunNo: 88481

Prep Date: 6/2/2022 Analysis Date: 6/3/2022 SeqNo: 3139133 Units: mg/Kg

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

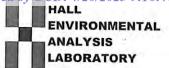
Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 530 500.0 106 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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

	Vertex Resources Services, Inc.	Work Order No	umber: 220	6109		RcptN	lo: 1
Received By:	Cheyenne Cason	6/2/2022 7:30:00) AM		Chul		
Completed By:	Cheyenne Cason	6/2/2022 9:25:39	AM .		Chul		
Reviewed By:	Time	6/2/12			Charles .		
Chain of Custo	ody .						
1. Is Chain of Cus	stody complete?		Yes	V	No 🗌	Not Present	
2. How was the sa	ample delivered?		Cou	rier			
Log In							
A STATE OF THE PARTY OF THE PAR	t made to cool the samp	les?	Yes	V	No 🗆	NA 🗆	
4. Were all sample	es received at a tempera	iture of >0° C to 6.0°C	Yes	~	No 🗌	NA 🗆	
5. Sample(s) in pr	oper container(s)?		Yes	~	No 🗌		
6. Sufficient sampl	le volume for indicated to	est(s)?	Yes	V	No 🗌		
7. Are samples (ex	ccept VOA and ONG) pro	operly preserved?	Yes	~	No 🗌		
8. Was preservativ	e added to bottles?		Yes		No 🗸	NA 🗆	
9. Received at leas	st 1 vial with headspace	<1/4" for AQ VOA?	Yes		No 🗌	NA 🔽	
10. Were any samp	le containers received b	roken?	Yes		No 🗹	# of preserved	1
	match bottle labels? cies on chain of custody)	Yes	V	No 🗆	bottles checked for pH:	or >12 unless noted)
2. Are matrices cor	rrectly identified on Chai	n of Custody?	Yes	~	No 🗌	Adjusted?	
	nalyses were requested	?	Yes	V	No 🗌		= 0.0000
	times able to be met? tomer for authorization.)		Yes	V	No 🗆	Checked by:	DAD 6/2/23
Special Handlin	g (if applicable)						
15. Was client notifi	ied of all discrepancies v	vith this order?	Yes		No 🗌	NA 🗹	
Person No	otified:	Dat	te:				
By Whom		Via	:	ail 🔲	Phone Fax	☐ In Person	
Regarding	1:						
Client Inst	ructions:						
16. Additional rema	arks:						
17. <u>Cooler Informa</u>	ation						
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Da	ate	Signed By		

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.9	Good	Not Present			
2	4.7	Good	Not Present			

Phone #: Chain-of-Custody Record Record Page 130 (EUG) Mailing Address: M file Phone #:	sh SiR Batten	HALL ENVIRONMENTA ANALYSIS LABORATO www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107
Phone #: email or Fax#:	22E-00123 OI	Anal
email or Fax#: QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	Project Manager: MOWICA PEOPIN	O / MRO) PCB's
n: ☐ Az Compliance	Sampler: Sally Cartter	/ DR 082 .1) 8270
		s/80 / s/86 or 8 s , N
□ EDD (Type)	olers: 2 6 9	GR ides od 5 10 d tals
	Preservative	H:8015D(81 Pestici B (Metho Hs by 83 RA 8 Me F, Br, N 60 (VOA)
5/31 9:00 Soil WSZZ-02 1.	1 403 jar (Cl. 120)	F 8 8 8
1 9:05 WSZZ-03 1'	7007	
9:15 BH22-09 0'	003	
10:40 BH22-09 4'	004	
10:30 BH22-10 0'	005	
1 10:35 1 BH22-10 2'	200	
AM		
6:46		
9:11	4.	
20/2023		
Time: Relinquished by:	Received by: Via: Date Time	Remarks:
5/31 5:50 Saily Cartar	46/100 C	
Relinquished by:	Via: Date T	
ived 2770 CAL		



HALL YSIS LABORATORY



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

June 17, 2022

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

FAX:

RE: Dayton ER Battery OrderNo.: 2206391

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 17 sample(s) on 6/8/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BS22-01 3'

 Project:
 Dayton ER Battery
 Collection Date: 6/1/2022 8:45:00 AM

 Lab ID:
 2206391-001
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: JME
Diesel Range Organics (DRO)	68	15	mg/Kg	1	6/10/2022 3:58:56 PM
Motor Oil Range Organics (MRO)	65	49	mg/Kg	1	6/10/2022 3:58:56 PM
Surr: DNOP	123	51.1-141	%Rec	1	6/10/2022 3:58:56 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/9/2022 11:19:10 PM
Surr: BFB	90.2	37.7-212	%Rec	1	6/9/2022 11:19:10 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/9/2022 11:19:10 PM
Toluene	ND	0.048	mg/Kg	1	6/9/2022 11:19:10 PM
Ethylbenzene	ND	0.048	mg/Kg	1	6/9/2022 11:19:10 PM
Xylenes, Total	ND	0.096	mg/Kg	1	6/9/2022 11:19:10 PM
Surr: 4-Bromofluorobenzene	91.3	70-130	%Rec	1	6/9/2022 11:19:10 PM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	2700	150	mg/Kg	50	6/14/2022 4:54:58 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

rring Limit Page 1 of 21

Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-02 1'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 8:15:00 AM

 Lab ID:
 2206391-002
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JME
Diesel Range Organics (DRO)	110	14	mg/Kg	1	6/13/2022 1:06:47 PM
Motor Oil Range Organics (MRO)	240	48	mg/Kg	1	6/13/2022 1:06:47 PM
Surr: DNOP	97.4	51.1-141	%Rec	1	6/13/2022 1:06:47 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/10/2022 12:29:34 AM
Surr: BFB	88.8	37.7-212	%Rec	1	6/10/2022 12:29:34 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 12:29:34 AM
Toluene	ND	0.048	mg/Kg	1	6/10/2022 12:29:34 AM
Ethylbenzene	ND	0.048	mg/Kg	1	6/10/2022 12:29:34 AM
Xylenes, Total	ND	0.097	mg/Kg	1	6/10/2022 12:29:34 AM
Surr: 4-Bromofluorobenzene	89.2	70-130	%Rec	1	6/10/2022 12:29:34 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	6800	300	mg/Kg	100	6/14/2022 5:07:22 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
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-03 1'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 8:20:00 AM

 Lab ID:
 2206391-003
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: JME
Diesel Range Organics (DRO)	130	15	mg/Kg	1	6/13/2022 1:38:59 PM
Motor Oil Range Organics (MRO)	270	50	mg/Kg	1	6/13/2022 1:38:59 PM
Surr: DNOP	85.7	51.1-141	%Rec	1	6/13/2022 1:38:59 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/10/2022 1:39:53 AM
Surr: BFB	84.7	37.7-212	%Rec	1	6/10/2022 1:39:53 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 1:39:53 AM
Toluene	ND	0.049	mg/Kg	1	6/10/2022 1:39:53 AM
Ethylbenzene	ND	0.049	mg/Kg	1	6/10/2022 1:39:53 AM
Xylenes, Total	ND	0.098	mg/Kg	1	6/10/2022 1:39:53 AM
Surr: 4-Bromofluorobenzene	90.0	70-130	%Rec	1	6/10/2022 1:39:53 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	8200	300	mg/Kg	100	6/14/2022 5:44:36 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BS22-04 1'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 8:25:00 AM

 Lab ID:
 2206391-004
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	RGANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/10/2022 5:04:50 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/10/2022 5:04:50 PM
Surr: DNOP	67.1	51.1-141	%Rec	1	6/10/2022 5:04:50 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/10/2022 2:03:20 AM
Surr: BFB	89.4	37.7-212	%Rec	1	6/10/2022 2:03:20 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 2:03:20 AM
Toluene	ND	0.049	mg/Kg	1	6/10/2022 2:03:20 AM
Ethylbenzene	ND	0.049	mg/Kg	1	6/10/2022 2:03:20 AM
Xylenes, Total	ND	0.098	mg/Kg	1	6/10/2022 2:03:20 AM
Surr: 4-Bromofluorobenzene	91.0	70-130	%Rec	1	6/10/2022 2:03:20 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	1800	60	mg/Kg	20	6/13/2022 7:54:18 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
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-05 1'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 1:30:00 PM

 Lab ID:
 2206391-005
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR				Analyst: JME	
Diesel Range Organics (DRO)	190	15	mg/Kg	1	6/13/2022 2:11:11 PM
Motor Oil Range Organics (MRO)	350	49	mg/Kg	1	6/13/2022 2:11:11 PM
Surr: DNOP	94.5	51.1-141	%Rec	1	6/13/2022 2:11:11 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/10/2022 2:26:53 AM
Surr: BFB	86.5	37.7-212	%Rec	1	6/10/2022 2:26:53 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 2:26:53 AM
Toluene	ND	0.047	mg/Kg	1	6/10/2022 2:26:53 AM
Ethylbenzene	ND	0.047	mg/Kg	1	6/10/2022 2:26:53 AM
Xylenes, Total	ND	0.095	mg/Kg	1	6/10/2022 2:26:53 AM
Surr: 4-Bromofluorobenzene	88.4	70-130	%Rec	1	6/10/2022 2:26:53 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	5300	300	mg/Kg	100	6/15/2022 1:34:59 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
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BS22-06 1'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 1:35:00 PM

 Lab ID:
 2206391-006
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG				Analyst: JME	
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/10/2022 5:26:41 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/10/2022 5:26:41 PM
Surr: DNOP	86.2	51.1-141	%Rec	1	6/10/2022 5:26:41 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/10/2022 2:50:17 AM
Surr: BFB	86.3	37.7-212	%Rec	1	6/10/2022 2:50:17 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 2:50:17 AM
Toluene	ND	0.049	mg/Kg	1	6/10/2022 2:50:17 AM
Ethylbenzene	ND	0.049	mg/Kg	1	6/10/2022 2:50:17 AM
Xylenes, Total	ND	0.097	mg/Kg	1	6/10/2022 2:50:17 AM
Surr: 4-Bromofluorobenzene	90.8	70-130	%Rec	1	6/10/2022 2:50:17 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	3400	150	mg/Kg	50	6/14/2022 6:09:24 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

H Holding times for preparation or analysis exceeded

 $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$

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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BS22-07 1'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 1:50:00 PM

 Lab ID:
 2206391-007
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: JME			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/10/2022 5:37:37 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/10/2022 5:37:37 PM
Surr: DNOP	93.9	51.1-141	%Rec	1	6/10/2022 5:37:37 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/10/2022 3:13:38 AM
Surr: BFB	86.9	37.7-212	%Rec	1	6/10/2022 3:13:38 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 3:13:38 AM
Toluene	ND	0.048	mg/Kg	1	6/10/2022 3:13:38 AM
Ethylbenzene	ND	0.048	mg/Kg	1	6/10/2022 3:13:38 AM
Xylenes, Total	ND	0.096	mg/Kg	1	6/10/2022 3:13:38 AM
Surr: 4-Bromofluorobenzene	90.8	70-130	%Rec	1	6/10/2022 3:13:38 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	3100	150	mg/Kg	50	6/14/2022 6:21:49 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
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-08 1'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 8:30:00 AM

 Lab ID:
 2206391-008
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG		Analyst: JME			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/10/2022 5:48:35 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/10/2022 5:48:35 PM
Surr: DNOP	93.3	51.1-141	%Rec	1	6/10/2022 5:48:35 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/10/2022 3:37:07 AM
Surr: BFB	88.1	37.7-212	%Rec	1	6/10/2022 3:37:07 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	6/10/2022 3:37:07 AM
Toluene	ND	0.050	mg/Kg	1	6/10/2022 3:37:07 AM
Ethylbenzene	ND	0.050	mg/Kg	1	6/10/2022 3:37:07 AM
Xylenes, Total	ND	0.10	mg/Kg	1	6/10/2022 3:37:07 AM
Surr: 4-Bromofluorobenzene	90.2	70-130	%Rec	1	6/10/2022 3:37:07 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	1700	60	mg/Kg	20	6/13/2022 8:43:58 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BS22-09 1'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 1:40:00 PM

 Lab ID:
 2206391-009
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG				Analyst: JME	
Diesel Range Organics (DRO)	ND	13	mg/Kg	1	6/10/2022 5:59:32 PM
Motor Oil Range Organics (MRO)	ND	42	mg/Kg	1	6/10/2022 5:59:32 PM
Surr: DNOP	58.6	51.1-141	%Rec	1	6/10/2022 5:59:32 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/10/2022 4:00:38 AM
Surr: BFB	89.6	37.7-212	%Rec	1	6/10/2022 4:00:38 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 4:00:38 AM
Toluene	ND	0.048	mg/Kg	1	6/10/2022 4:00:38 AM
Ethylbenzene	ND	0.048	mg/Kg	1	6/10/2022 4:00:38 AM
Xylenes, Total	ND	0.097	mg/Kg	1	6/10/2022 4:00:38 AM
Surr: 4-Bromofluorobenzene	87.9	70-130	%Rec	1	6/10/2022 4:00:38 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	3400	150	mg/Kg	50	6/14/2022 6:34:13 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-10 1'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 1:45:00 PM

 Lab ID:
 2206391-010
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG			Analyst: JME		
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/10/2022 6:10:29 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/10/2022 6:10:29 PM
Surr: DNOP	94.5	51.1-141	%Rec	1	6/10/2022 6:10:29 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/10/2022 4:24:06 AM
Surr: BFB	89.5	37.7-212	%Rec	1	6/10/2022 4:24:06 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.023	mg/Kg	1	6/10/2022 4:24:06 AM
Toluene	ND	0.047	mg/Kg	1	6/10/2022 4:24:06 AM
Ethylbenzene	ND	0.047	mg/Kg	1	6/10/2022 4:24:06 AM
Xylenes, Total	ND	0.093	mg/Kg	1	6/10/2022 4:24:06 AM
Surr: 4-Bromofluorobenzene	89.4	70-130	%Rec	1	6/10/2022 4:24:06 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	3900	150	mg/Kg	50	6/14/2022 6:46:38 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-11 4'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 8:35:00 AM

 Lab ID:
 2206391-011
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: JME			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/10/2022 6:21:25 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/10/2022 6:21:25 PM
Surr: DNOP	84.9	51.1-141	%Rec	1	6/10/2022 6:21:25 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/10/2022 5:11:05 AM
Surr: BFB	90.8	37.7-212	%Rec	1	6/10/2022 5:11:05 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 5:11:05 AM
Toluene	ND	0.048	mg/Kg	1	6/10/2022 5:11:05 AM
Ethylbenzene	ND	0.048	mg/Kg	1	6/10/2022 5:11:05 AM
Xylenes, Total	ND	0.096	mg/Kg	1	6/10/2022 5:11:05 AM
Surr: 4-Bromofluorobenzene	90.5	70-130	%Rec	1	6/10/2022 5:11:05 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	390	60	mg/Kg	20	6/13/2022 9:21:10 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-12 4'

Project: Dayton ER Battery
 Collection Date: 6/3/2022 12:15:00 PM

 Lab ID: 2206391-012
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR			Analyst: JME		
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/10/2022 6:32:21 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/10/2022 6:32:21 PM
Surr: DNOP	93.2	51.1-141	%Rec	1	6/10/2022 6:32:21 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/10/2022 5:34:35 AM
Surr: BFB	88.6	37.7-212	%Rec	1	6/10/2022 5:34:35 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 5:34:35 AM
Toluene	ND	0.048	mg/Kg	1	6/10/2022 5:34:35 AM
Ethylbenzene	ND	0.048	mg/Kg	1	6/10/2022 5:34:35 AM
Xylenes, Total	ND	0.097	mg/Kg	1	6/10/2022 5:34:35 AM
Surr: 4-Bromofluorobenzene	90.1	70-130	%Rec	1	6/10/2022 5:34:35 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	500	60	mg/Kg	20	6/13/2022 9:33:36 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-13 4'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 12:20:00 PM

 Lab ID:
 2206391-013
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/10/2022 6:43:16 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	6/10/2022 6:43:16 PM
Surr: DNOP	90.6	51.1-141	%Rec	1	6/10/2022 6:43:16 PM
EPA METHOD 8015D: GASOLINE RANGE	₫				Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/10/2022 5:58:05 AM
Surr: BFB	86.9	37.7-212	%Rec	1	6/10/2022 5:58:05 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	6/10/2022 5:58:05 AM
Toluene	ND	0.049	mg/Kg	1	6/10/2022 5:58:05 AM
Ethylbenzene	ND	0.049	mg/Kg	1	6/10/2022 5:58:05 AM
Xylenes, Total	ND	0.099	mg/Kg	1	6/10/2022 5:58:05 AM
Surr: 4-Bromofluorobenzene	89.0	70-130	%Rec	1	6/10/2022 5:58:05 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	1100	60	mg/Kg	20	6/13/2022 10:10:50 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-01 4'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 12:25:00 PM

 Lab ID:
 2206391-014
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR			Analyst: JME		
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/10/2022 6:54:07 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	6/10/2022 6:54:07 PM
Surr: DNOP	78.6	51.1-141	%Rec	1	6/10/2022 6:54:07 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/10/2022 6:21:39 AM
Surr: BFB	89.3	37.7-212	%Rec	1	6/10/2022 6:21:39 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	6/10/2022 6:21:39 AM
Toluene	ND	0.049	mg/Kg	1	6/10/2022 6:21:39 AM
Ethylbenzene	ND	0.049	mg/Kg	1	6/10/2022 6:21:39 AM
Xylenes, Total	ND	0.098	mg/Kg	1	6/10/2022 6:21:39 AM
Surr: 4-Bromofluorobenzene	90.9	70-130	%Rec	1	6/10/2022 6:21:39 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	470	61	mg/Kg	20	6/13/2022 10:23:15 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-04 3'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 1:15:00 PM

 Lab ID:
 2206391-015
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG				Analyst: JME	
Diesel Range Organics (DRO)	150	14	mg/Kg	1	6/13/2022 2:54:13 PM
Motor Oil Range Organics (MRO)	260	47	mg/Kg	1	6/13/2022 2:54:13 PM
Surr: DNOP	81.0	51.1-141	%Rec	1	6/13/2022 2:54:13 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/10/2022 6:45:11 AM
Surr: BFB	86.6	37.7-212	%Rec	1	6/10/2022 6:45:11 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	6/10/2022 6:45:11 AM
Toluene	ND	0.050	mg/Kg	1	6/10/2022 6:45:11 AM
Ethylbenzene	ND	0.050	mg/Kg	1	6/10/2022 6:45:11 AM
Xylenes, Total	ND	0.10	mg/Kg	1	6/10/2022 6:45:11 AM
Surr: 4-Bromofluorobenzene	86.3	70-130	%Rec	1	6/10/2022 6:45:11 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	11000	600	mg/Kg	200	6/14/2022 6:59:03 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-05 4'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 12:30:00 PM

 Lab ID:
 2206391-016
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR		Analyst: JME			
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/10/2022 7:15:52 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/10/2022 7:15:52 PM
Surr: DNOP	85.5	51.1-141	%Rec	1	6/10/2022 7:15:52 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	6/10/2022 7:08:38 AM
Surr: BFB	85.9	37.7-212	%Rec	1	6/10/2022 7:08:38 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.024	mg/Kg	1	6/10/2022 7:08:38 AM
Toluene	ND	0.049	mg/Kg	1	6/10/2022 7:08:38 AM
Ethylbenzene	ND	0.049	mg/Kg	1	6/10/2022 7:08:38 AM
Xylenes, Total	ND	0.098	mg/Kg	1	6/10/2022 7:08:38 AM
Surr: 4-Bromofluorobenzene	88.8	70-130	%Rec	1	6/10/2022 7:08:38 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	270	60	mg/Kg	20	6/13/2022 10:48:04 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 6/17/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-06 4'

 Project:
 Dayton ER Battery
 Collection Date: 6/3/2022 12:35:00 PM

 Lab ID:
 2206391-017
 Matrix: SOIL
 Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	6/10/2022 7:26:44 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/10/2022 7:26:44 PM
Surr: DNOP	80.4	51.1-141	%Rec	1	6/10/2022 7:26:44 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	6/10/2022 7:32:06 AM
Surr: BFB	89.5	37.7-212	%Rec	1	6/10/2022 7:32:06 AM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.025	mg/Kg	1	6/10/2022 7:32:06 AM
Toluene	ND	0.050	mg/Kg	1	6/10/2022 7:32:06 AM
Ethylbenzene	ND	0.050	mg/Kg	1	6/10/2022 7:32:06 AM
Xylenes, Total	ND	0.10	mg/Kg	1	6/10/2022 7:32:06 AM
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	1	6/10/2022 7:32:06 AM
EPA METHOD 300.0: ANIONS					Analyst: LRN
Chloride	870	60	mg/Kg	20	6/13/2022 11:00:28 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
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206391**

17-Jun-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-68070 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68070 RunNo: 88683

Prep Date: 6/13/2022 Analysis Date: 6/13/2022 SeqNo: 3148891 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68070 SampType: Ics TestCode: EPA Method 300.0: Anions
Client ID: LCSS Batch ID: 68070 RunNo: 88683

Prep Date: 6/13/2022 Analysis Date: 6/13/2022 SeqNo: 3148893 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 98.0 90 110

Sample ID: MB-68083 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68083 RunNo: 88683

Prep Date: 6/13/2022 Analysis Date: 6/13/2022 SeqNo: 3148927 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68083 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68083 RunNo: 88683

Prep Date: 6/13/2022 Analysis Date: 6/13/2022 SeqNo: 3148928 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 99.9 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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

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Hall Environmental Analysis Laboratory, Inc.

2206391 17-Jun-22

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

				_								
Sample ID: MB-68018	SampTy	pe: MB	LK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics			
Client ID: PBS	Batch I	D: 680	18	F	RunNo: 88	3655						
Prep Date: 6/9/2022	Analysis Da	te: 6/1	0/2022	5	SeqNo: 31	146644	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	15										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	9.9		10.00		99.2	51.1	141					
Sample ID: LCS-68018	SampTy	pe: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics			
Client ID: LCSS	Batch I	D: 680	18	F	RunNo: 88	3655						
Prep Date: 6/9/2022	Analysis Da	te: 6/1	0/2022	\$	SeqNo: 31	146647	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	45	15	50.00	0	90.2	64.4	127					
Surr: DNOP	4.2		5.000		84.5	51.1	141					
Sample ID: 2206391-001AMS	SampTy	pe: MS		Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics			
Client ID: BS22-01 3'	Batch I	D: 680	18	F	RunNo: 88	3655						
Prep Date: 6/9/2022	Analysis Da	te: 6/1	0/2022	5	SeqNo: 31	146713	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	110	14	47.26	68.30	89.7	36.1	154	_				
Surr: DNOP	5.1		4.726		108	51.1	141					
Suil. DNOF	/ISD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics											
Sample ID: 2206391-001AMSD	SampTy	pe: MS	D	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics			

SPK value SPK Ref Val

68.30

47.17

4.717

Qualifiers:

Prep Date:

Surr: DNOP

Analyte

6/9/2022

Diesel Range Organics (DRO)

Analysis Date: 6/10/2022

PQL

Result

110

5.2

- 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

SeqNo: 3146716

LowLimit

36.1

51.1

%REC

95.1

110

Units: mg/Kg

154

141

HighLimit

%RPD

2.20

0

RPDLimit

33.9

0

Qual

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206391** *17-Jun-22*

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

22-01 3' 8/2022 ganics (GRO) 06391-001amsd	Batch Analysis D Result 28 2100	PQL 5.0		;	RunNo: 88 SeqNo: 3 1 %REC 114 212		Units: mg/K HighLimit 130 212	g %RPD	RPDLimit	Qual
ganics (GRO)	Result 28 2100	PQL 5.0	SPK value 24.83	SPK Ref Val	%REC 114	LowLimit 70	HighLimit	•	RPDLimit	
	28 2100	5.0	24.83		114	70	130	%RPD	RPDLimit	
	2100			0		-				
06391-001amsd		Typo: MC	993.0		212	37.7	212			_
6391-001amsd	SampT	Turno: MC								S
		ype. IVI 3	SD	Tes	stCode: EF	PA Method	8015D: Gasol	ine Range		
22-01 3'	Batch	h ID: 67 9	997	F	RunNo: 88	3620				
8/2022	Analysis D	Date: 6/	10/2022	;	SeqNo: 31	145307	Units: mg/K	g		
	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
ganics (GRO)	29	5.0	24.95	0	116	70	130	2.13	20	
	2100		998.0		211	37.7	212	0	0	
gani		Result 29 2100	Result PQL cs (GRO) 29 5.0 2100	Result PQL SPK value cs (GRO) 29 5.0 24.95 2100 998.0	Result PQL SPK value SPK Ref Values (GR0) 29 5.0 24.95 0 2100 998.0	Result PQL SPK value SPK Ref Val %REC cs (GRO) 29 5.0 24.95 0 116 2100 998.0 211	Result PQL SPK value SPK Ref Val %REC LowLimit cs (GRO) 29 5.0 24.95 0 116 70 2100 998.0 211 37.7	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit cs (GRO) 29 5.0 24.95 0 116 70 130 2100 998.0 211 37.7 212	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD cs (GRO) 29 5.0 24.95 0 116 70 130 2.13 2100 998.0 211 37.7 212 0	Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit cs (GRO) 29 5.0 24.95 0 116 70 130 2.13 20 2100 998.0 211 37.7 212 0 0

Sample ID: Ics-67997	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID: LCSS	Batch	ID: 67 9	997	F	RunNo: 88	3620				
Prep Date: 6/8/2022	Analysis D	ate: 6/ 9	9/2022	5	SeqNo: 31	145323	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	72.3	137			
Surr: BFB	2000		1000		203	37.7	212			

Sample ID: mb-67997	SampT	уре: МВ	LK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	•	
Client ID: PBS	Batch	ID: 679	97	F	RunNo: 88	3620				
Prep Date: 6/8/2022	Analysis D	ate: 6/9	9/2022	5	SeqNo: 31	145325	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	940		1000		94.2	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 Quantitative 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 21

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206391**

17-Jun-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2206391-002ams	Samp ⁻	Гуре: МЅ	1	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BS22-02 1'	Batc	h ID: 67 9	97	F	RunNo: 8	3620				
Prep Date: 6/8/2022	Analysis [Date: 6/	10/2022	5	SeqNo: 3	145350	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.024	0.9443	0	99.1	68.8	120			
Toluene	0.98	0.047	0.9443	0	104	73.6	124			
Ethylbenzene	1.0	0.047	0.9443	0	106	72.7	129			
Xylenes, Total	3.0	0.094	2.833	0	105	75.7	126			
Surr: 4-Bromofluorobenzene	0.86		0.9443		91.6	70	130			

Sample ID: 2206391-002amsd	SampT	ype: MS	D	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BS22-02 1'	Batcl	n ID: 67 9	97	F	RunNo: 88	3620				
Prep Date: 6/8/2022	Analysis D	Date: 6/1	10/2022	5	SeqNo: 31	145351	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.024	0.9434	0	89.0	68.8	120	10.9	20	
Toluene	0.88	0.047	0.9434	0	93.5	73.6	124	10.4	20	
Ethylbenzene	0.89	0.047	0.9434	0	93.9	72.7	129	11.7	20	
Xylenes, Total	2.7	0.094	2.830	0	94.1	75.7	126	11.5	20	
Surr: 4-Bromofluorobenzene	0.84		0.9434		89.1	70	130	0	0	

Sample ID: LCS-67997	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 67 9	97	F	RunNo: 8	3620				
Prep Date: 6/8/2022	Analysis [Date: 6/ 9	9/2022	5	SeqNo: 3	145367	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	82.5	80	120			
Toluene	0.86	0.050	1.000	0	86.0	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.0	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.2	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	70	130			

Sample ID: mb-67997	Samp	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	h ID: 67 9	997	F	RunNo: 88	8620				
Prep Date: 6/8/2022	Analysis [Date: 6/ 9	9/2022	5	SeqNo: 31	145369	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	0.93		1.000		93.0	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

Page 21 of 21



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Received By: Cheyenne Cason 6/8/2022 7:20:0 Completed By: Cheyenne Cason 6/8/2022 9:00:5 Reviewed By: 6-8-27 Chain of Custody 1. Is Chain of Custody complete?		Chul		
Chain of Custody 1. Is Chain of Custody complete?		Chul		
Chain of Custody 1. Is Chain of Custody complete?	Yes ☑	-		
1. Is Chain of Custody complete?	Yes ☑			
	Yes 🗹			
		No 🗌	Not Present	
2. How was the sample delivered?	Courier			
<u>Log In</u>		_	_	
3. Was an attempt made to cool the samples?	Yes 🗹	No 🗌	NA 🗆	
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
5. Sample(s) in proper container(s)?	Yes 🗹	No 🗆		
6. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗆		
7. Are samples (except VOA and ONG) properly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?	Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes 🗌	No 🗆	NA 🗹	τ o
10. Were any sample containers received broken?	Yes 🗆	No 🗹	# of preserved	1/8/72
			bottles checked	6/3/00
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes 🗹	No ∐	for pH:	12 unless noted)
2. Are matrices correctly identified on Chain of Custody?	Yes 🗹	No □	Adjusted?	
3. Is it clear what analyses were requested?	Yes 🗹	No 🗆		
4. Were all holding times able to be met?	Yes 🗹	No 🗆	Checked by:	
(If no, notify customer for authorization.)		1		
Special Handling (if applicable)				
15. Was client notified of all discrepancies with this order?	Yes 🗆	No 🗆	NA 🗹	
Person Notified:	Date:			
By Whom:	/ia: 🗌 eMail 🔲 F	Phone Fax	☐ In Person	
Regarding:				
Client Instructions:				
16. Additional remarks:				
17. <u>Cooler Information</u>				
Cooler No Temp °C Condition Seal Intact Seal N	No Seal Date	Signed By		

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Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109



July 13, 2022

Monica Peppin Vertex Resources Services, Inc. 3101 Boyd Drive Carlsbad, NM 88220

TEL: (505) 506-0040

FAX:

RE: Dayton Battery OrderNo.: 2207062

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 6 sample(s) on 7/2/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 7/13/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH22-09 0'

 Project:
 Dayton Battery
 Collection Date: 6/29/2022 1:30:00 PM

 Lab ID:
 2207062-001
 Matrix: SOIL
 Received Date: 7/2/2022 9:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/11/2022 5:11:39 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/11/2022 5:11:39 PM
Surr: DNOP	98.5	51.1-141	%Rec	1	7/11/2022 5:11:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/7/2022 4:17:42 AM
Surr: BFB	101	37.7-212	%Rec	1	7/7/2022 4:17:42 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	7/7/2022 4:17:42 AM
Toluene	ND	0.050	mg/Kg	1	7/7/2022 4:17:42 AM
Ethylbenzene	ND	0.050	mg/Kg	1	7/7/2022 4:17:42 AM
Xylenes, Total	ND	0.099	mg/Kg	1	7/7/2022 4:17:42 AM
Surr: 4-Bromofluorobenzene	99.3	70-130	%Rec	1	7/7/2022 4:17:42 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	7/10/2022 12:16:38 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 12

Date Reported: 7/13/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH22-09 2'

 Project:
 Dayton Battery
 Collection Date: 6/29/2022 1:35:00 PM

 Lab ID:
 2207062-002
 Matrix: SOIL
 Received Date: 7/2/2022 9:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/11/2022 5:26:21 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/11/2022 5:26:21 PM
Surr: DNOP	110	51.1-141	%Rec	1	7/11/2022 5:26:21 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 4:41:07 AM
Surr: BFB	96.6	37.7-212	%Rec	1	7/7/2022 4:41:07 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	7/7/2022 4:41:07 AM
Toluene	ND	0.049	mg/Kg	1	7/7/2022 4:41:07 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 4:41:07 AM
Xylenes, Total	ND	0.099	mg/Kg	1	7/7/2022 4:41:07 AM
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	7/7/2022 4:41:07 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	1300	60	mg/Kg	20	7/10/2022 1:18:40 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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 12

Date Reported: 7/13/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BH22-10 0'

Project: Dayton Battery
 Collection Date: 6/29/2022 1:40:00 PM

 Lab ID: 2207062-003
 Matrix: SOIL
 Received Date: 7/2/2022 9:35:00 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	14	mg/Kg	1	7/12/2022 1:16:48 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/12/2022 1:16:48 PM
Surr: DNOP	92.3	51.1-141	%Rec	1	7/12/2022 1:16:48 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 5:04:30 AM
Surr: BFB	91.7	37.7-212	%Rec	1	7/7/2022 5:04:30 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	7/7/2022 5:04:30 AM
Toluene	ND	0.049	mg/Kg	1	7/7/2022 5:04:30 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 5:04:30 AM
Xylenes, Total	ND	0.098	mg/Kg	1	7/7/2022 5:04:30 AM
Surr: 4-Bromofluorobenzene	96.5	70-130	%Rec	1	7/7/2022 5:04:30 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	4400	150	mg/Kg	50	7/11/2022 10:02:49 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

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Date Reported: 7/13/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-10 2'

 Project:
 Dayton Battery
 Collection Date: 6/29/2022 1:45:00 PM

 Lab ID:
 2207062-004
 Matrix: SOIL
 Received Date: 7/2/2022 9:35:00 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	15	mg/Kg	1	7/11/2022 5:40:55 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/11/2022 5:40:55 PM
Surr: DNOP	81.3	51.1-141	%Rec	1	7/11/2022 5:40:55 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 10:20:33 AM
Surr: BFB	99.1	37.7-212	%Rec	1	7/7/2022 10:20:33 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 4:04:00 AM
Toluene	ND	0.049	mg/Kg	1	7/9/2022 4:04:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/9/2022 4:04:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	7/9/2022 4:04:00 AM
Surr: 4-Bromofluorobenzene	85.7	70-130	%Rec	1	7/9/2022 4:04:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	2200	150	mg/Kg	50	7/11/2022 10:15:13 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Date Reported: 7/13/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-11 0'

 Project:
 Dayton Battery
 Collection Date: 6/29/2022 1:50:00 PM

 Lab ID:
 2207062-005
 Matrix: SOIL
 Received Date: 7/2/2022 9:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OI	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/12/2022 1:41:30 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/12/2022 1:41:30 PM
Surr: DNOP	121	51.1-141	%Rec	1	7/12/2022 1:41:30 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 11:31:15 AM
Surr: BFB	95.7	37.7-212	%Rec	1	7/7/2022 11:31:15 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	7/7/2022 11:31:15 AM
Toluene	ND	0.049	mg/Kg	1	7/7/2022 11:31:15 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 11:31:15 AM
Xylenes, Total	ND	0.099	mg/Kg	1	7/7/2022 11:31:15 AM
Surr: 4-Bromofluorobenzene	99.5	70-130	%Rec	1	7/7/2022 11:31:15 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	7/10/2022 1:55:53 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
- 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

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Date Reported: 7/13/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BH22-11 2'

 Project:
 Dayton Battery
 Collection Date: 6/29/2022 1:55:00 PM

 Lab ID:
 2207062-006
 Matrix: SOIL
 Received Date: 7/2/2022 9:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/11/2022 5:55:07 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/11/2022 5:55:07 PM
Surr: DNOP	61.5	51.1-141	%Rec	1	7/11/2022 5:55:07 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/7/2022 12:41:53 PM
Surr: BFB	96.0	37.7-212	%Rec	1	7/7/2022 12:41:53 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	7/7/2022 12:41:53 PM
Toluene	ND	0.050	mg/Kg	1	7/7/2022 12:41:53 PM
Ethylbenzene	ND	0.050	mg/Kg	1	7/7/2022 12:41:53 PM
Xylenes, Total	ND	0.099	mg/Kg	1	7/7/2022 12:41:53 PM
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	7/7/2022 12:41:53 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	120	60	mg/Kg	20	7/10/2022 2:08:17 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2207062**

13-Jul-22

Client: Vertex Resources Services, Inc.

Project: Dayton Battery

Sample ID: MB-68654 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **68654** RunNo: **89355**

Prep Date: 7/8/2022 Analysis Date: 7/10/2022 SeqNo: 3178511 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68654 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68654 RunNo: 89355

Prep Date: 7/8/2022 Analysis Date: 7/10/2022 SeqNo: 3178512 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.2 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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Hall Environmental Analysis Laboratory, Inc.

Result

4.8

2207062 13-Jul-22

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton Battery

Sample ID: MB-68594	SampType: MBLK	TestCode: EPA Method 8	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68594	RunNo: 89368	
Prep Date: 7/6/2022	Analysis Date: 7/11/2022	SeqNo: 3180208	Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	12 10.00	120 51.1	141
Sample ID: LCS-68594	SampType: LCS	TestCode: EPA Method 8	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 68594	RunNo: 89368	
Prep Date: 7/6/2022	Analysis Date: 7/11/2022	SeqNo: 3180209	Units: mg/Kg
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	54 15 50.00	0 109 64.4	127
Surr: DNOP	5.9 5.000	118 51.1	141
Sample ID: MB-68675	SampType: MBLK	TestCode: EPA Method 8	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68675	RunNo: 89401	
Prep Date: 7/11/2022	Analysis Date: 7/12/2022	SeqNo: 3180414	Units: %Rec
Analyte	Result PQL SPK value	e SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Surr: DNOP	9.6 10.00	96.2 51.1	141
Sample ID: LCS-68675	SampType: LCS	TestCode: EPA Method 8	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 68675	RunNo: 89401	

SPK value SPK Ref Val %REC

5.000

Qualifiers:

Analyte

Surr: DNOP

- 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

LowLimit

51.1

96.3

HighLimit

141

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

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%RPD

RPDLimit

Qual

Hall Environmental Analysis Laboratory, Inc.

WO#: 2207062

13-Jul-22

Client: Vertex Resources Services, Inc.

Project: Dayton Battery

Sample ID: mb-68555	SampType: MBLK TestCode: EPA Method 80					8015D: Gaso	line Range			
Client ID: PBS	Batch I	ID: 685 5	55	F	RunNo: 89271					
Prep Date: 7/5/2022	Analysis Da	ate: 7/6/	/2022	9	SeqNo: 31	174484	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	960		1000		95.5	37.7	212			
Sample ID: Ics-68555	SampType: LCS			Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: LCSS	Batch I	ID: 685 5	55	F	RunNo: 89	9271				
Prep Date: 7/5/2022	Analysis Da	ate: 7/6/	/2022	5	SeqNo: 31	174485	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	114	72.3	137			
Surr: BFB	2200		1000		215	37.7	212			S
				_						
Sample ID: mb-68568	SampTy	pe: MBL	LK	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	!	
Sample ID: mb-68568 Client ID: PBS		pe: MBL ID: 685 6			tCode: EF RunNo: 8 9		8015D: Gaso	line Range	•	
·		ID: 6856	68	F		9311	8015D: Gaso Units: mg/K	J		
Client ID: PBS	Batch I Analysis Da	ID: 6856 ate: 7/7/	68 /2022	F	RunNo: 89 SeqNo: 31	9311		J	RPDLimit	Qual
Client ID: PBS Prep Date: 7/6/2022	Batch I Analysis Da	ID: 6856 ate: 7/7/	68 /2022	F	RunNo: 89 SeqNo: 31	9311 176168	Units: mg/K	(g		Qual
Client ID: PBS Prep Date: 7/6/2022 Analyte	Batch I Analysis Da Result	ID: 6856 ate: 7/7/ PQL	68 /2022	F	RunNo: 89 SeqNo: 31	9311 176168	Units: mg/K	(g		Qual
Client ID: PBS Prep Date: 7/6/2022 Analyte Gasoline Range Organics (GRO)	Batch I Analysis Da Result ND	PQL 5.0	68 /2022 SPK value 1000	F SPK Ref Val	RunNo: 89 SeqNo: 37 %REC 95.0	9311 176168 LowLimit 37.7	Units: mg/K HighLimit	(g %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 7/6/2022 Analyte Gasoline Range Organics (GRO) Surr: BFB	Batch I Analysis Da Result ND 950 SampTy	PQL 5.0	58 /2022 SPK value	SPK Ref Val	RunNo: 89 SeqNo: 37 %REC 95.0	9311 176168 LowLimit 37.7	Units: mg/K HighLimit 212	(g %RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 7/6/2022 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID: Ics-68568	Batch I Analysis Da Result ND 950 SampTy	PQL 5.0 Tpe: LCS	568 /2022 SPK value 1000	SPK Ref Val Tes	RunNo: 89 SeqNo: 34 %REC 95.0 tCode: EF	2311 176168 LowLimit 37.7 PA Method 2311	Units: mg/K HighLimit 212	%RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 7/6/2022 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID: Ics-68568 Client ID: LCSS	Batch I Analysis Date Result ND 950 SampTyl Batch I	PQL 5.0 1D: 6856 1D: 6856 1D: 6856 1D: 6856 1D: 6856	568 /2022 SPK value 1000	SPK Ref Val Tes	RunNo: 89 SeqNo: 3' %REC 95.0 tCode: EF RunNo: 89	2311 176168 LowLimit 37.7 PA Method	Units: mg/K HighLimit 212 8015D: Gaso	%RPD	RPDLimit	Qual
Client ID: PBS Prep Date: 7/6/2022 Analyte Gasoline Range Organics (GRO) Surr: BFB Sample ID: Ics-68568 Client ID: LCSS Prep Date: 7/6/2022	Batch I Analysis Da Result ND 950 SampTyl Batch I Analysis Da	PQL 5.0 To the state: 7/7/ 5.0 The state: 7/7/ The state: 7/7/ The state: 7/7/ The state: 7/7/	58 /2022 SPK value 1000 5 6 68 /2022	SPK Ref Val Tes	RunNo: 89 SeqNo: 37 %REC 95.0 etCode: EF RunNo: 89 SeqNo: 37	9311 176168 LowLimit 37.7 PA Method 9311 176169	Units: mg/K HighLimit 212 8015D: Gaso Units: mg/K	%RPD	RPDLimit	

Sample ID:	2207062-004ams	SampType: MS TestCode: EPA Method 80					8015D: Gasol	ine Range	!		
Client ID:	BH22-10 2'	Batcl	Batch ID: 68568 RunNo: 89311								
Prep Date:	7/6/2022	Analysis D	Date: 7/ 7	7/2022	5	176171	Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	29	4.9	24.65	0	116	70	130			-
Surr: BFB		2200		986.2		221	37.7	212			S

Sample ID: 2207062-004amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: BH22-10 2' Batch ID: 68568 RunNo: 89311 Prep Date: 7/6/2022 Analysis Date: 7/7/2022 SeqNo: 3176172 Units: mg/Kg Qual

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2207062**

13-Jul-22

Client: Vertex Resources Services, Inc.

Project: Dayton Battery

Sample ID: 2207062-004amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: BH22-10 2' Batch ID: 68568 RunNo: 89311

Prep Date: 7/6/2022 Analysis Date: 7/7/2022 SegNo: 3176172 Units: mg/Kg

Frep Date. 7/6/2022	Arialysis D	ale. ///	12022		seqivo. 3	1/01/2	Office. mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	30	5.0	24.78	0	119	70	130	3.11	20		
Surr: BFB	2200		991.1		226	37.7	212	0	0	S	
	Analyte Gasoline Range Organics (GRO)	Analyte Result Gasoline Range Organics (GRO) 30	Analyte Result PQL Gasoline Range Organics (GRO) 30 5.0	Analyte Result PQL SPK value Gasoline Range Organics (GRO) 30 5.0 24.78	Analyte Result PQL SPK value SPK Ref Val Gasoline Range Organics (GRO) 30 5.0 24.78 0	Analyte Result PQL SPK value SPK Ref Val %REC Gasoline Range Organics (GRO) 30 5.0 24.78 0 119	Analyte Result PQL SPK value SPK Ref Val %REC LowLimit Gasoline Range Organics (GRO) 30 5.0 24.78 0 119 70	Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Gasoline Range Organics (GRO) 30 5.0 24.78 0 119 70 130	Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Gasoline Range Organics (GRO) 30 5.0 24.78 0 119 70 130 3.11	Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Gasoline Range Organics (GRO) 30 5.0 24.78 0 119 70 130 3.11 20	Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Gasoline Range Organics (GRO) 30 5.0 24.78 0 119 70 130 3.11 20

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2207062**

13-Jul-22

Client: Vertex Resources Services, Inc.

Project: Dayton Battery

Sample ID: mb-68555	SampType: MBLK			Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batcl	n ID: 685	555	F	RunNo: 89	9271				
Prep Date: 7/5/2022	Analysis [Date: 7/6	6/2022	;	SeqNo: 3	174523	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	0.96		1.000		95.7	70	130			
Sample ID: LCS-68555	Samp	ype: LC	S	TestCode: EPA Method 8021B: Volatiles						

Sample ID: LCS-68555	Samp1	ype: LC	S	Tes	PA Method	8021B: Volati	les			
Client ID: LCSS	Batcl	n ID: 685	555	F	9271					
Prep Date: 7/5/2022	Analysis D	Date: 7/6	6/2022	5	SeqNo: 31	174524	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	80	120			
Toluene	0.94	0.050	1.000	0	93.7	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.1	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.6	70	130			

Sample ID: mb-68568	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	n ID: 685	568	F	RunNo: 8	9311				
Prep Date: 7/6/2022	Analysis D	Date: 7/	7/2022	5	SeqNo: 3	176213	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	1.0		1.000		99.6	70	130			

Sample ID: LCS-68568	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	n ID: 685	68	F	RunNo: 89	9311				
Prep Date: 7/6/2022	Analysis D	Date: 7/ 7	7/2022	5	SeqNo: 31	176214	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.2	80	120			
Toluene	0.97	0.050	1.000	0	97.1	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.7	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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2207062**

13-Jul-22

Client: Vertex Resources Services, Inc.

Project: Dayton Battery

Sample ID: 2207062-005ams	Samp ⁻	Гуре: М.	3	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BH22-11 0'	Batc	h ID: 68 5	568	F	RunNo: 89	9311				
Prep Date: 7/6/2022	Analysis [Date: 7/	7/2022	5	SeqNo: 3	176217	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9747	0.01389	103	68.8	120			
Toluene	1.1	0.049	0.9747	0	109	73.6	124			
Ethylbenzene	1.1	0.049	0.9747	0	111	72.7	129			
Xylenes, Total	3.3	0.097	2.924	0	112	75.7	126			
Surr: 4-Bromofluorobenzene	0.97		0.9747		99.0	70	130			

Sample ID: 2207062-005amsc	Samp	Туре: МЅ	SD	Tes	stCode: El	PA Method	8021B: Volat	iles		
Client ID: BH22-11 0'	Batc	h ID: 68	568	F	RunNo: 8	9311				
Prep Date: 7/6/2022	Analysis I	Date: 7/	7/2022	5	SeqNo: 3	176218	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9785	0.01389	101	68.8	120	0.885	20	
Toluene	1.1	0.049	0.9785	0	109	73.6	124	0.0322	20	
Ethylbenzene	1.1	0.049	0.9785	0	112	72.7	129	0.498	20	
Xylenes, Total	3.3	0.098	2.935	0	112	75.7	126	0.900	20	
Surr: 4-Bromofluorobenzene	1.0		0.9785		102	70	130	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 12

Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: Vertex Resources Work Order Number: 2207062 RcptNo: 1 Services, Inc. Received By: Andy Freeman 7/2/2022 9:35:00 AM Completed By: Cheyenne Cason 7/5/2022 7:48:18 AM 715/22 Reviewed By: Chain of Custody 1. Is Chain of Custody complete? No 🗌 Yes V Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes V No _ NA Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 NA 🗌 Sample(s) in proper container(s)? Yes V No 🗌 6. Sufficient sample volume for indicated test(s)? No 7. Are samples (except VOA and ONG) properly preserved? No 🗌 8. Was preservative added to bottles? No V NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗌 Yes NA V 10. Were any sample containers received broken? No V Yes # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? 12. Are matrices correctly identified on Chain of Custody? Yes V No 13. Is it clear what analyses were requested? V No 🗌 Yes Checked by: 11 7522 14. Were all holding times able to be met? Yes ~ No (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes 🗌 No NA V Person Notified: Date: By Whom: Via: □ eMail Phone Fax Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1 3.6 Good Not Present 2 4.5 Good Not Present

Page 1 of 1

			Biooni (monomo in		`	1	I		LIA		- MINA	CEE		
Client:	7	1/1	EOG/VECEUX	Z Standard	d A Rush			V			A NI	Z Z	ANAL SENTINGUMENTAL	. 3
				Project Name:						- I		MAKE 1919 LABO	O RAIL	
Mailin	Mailing Address:	S. Gn	F,76	boo	Doyton Ba	Battery	4	4901 Hawkins NE	www	, 7	Pugue		Albuquerque NM 87109	D: 4/2
				Project #:				Tel. 505-345-3975	-345-3		Fax	505-345-4107	4107	20/20
Phone #:	#:			22	225-00123-001	100-				Ana	lysis I	Analysis Request		23 9
email	email or Fax#:			Project Manager:	ager:			,	L	0		(tr		16
QA/QC Packa □ Standard	QA/QC Package: □ Standard		☐ Level 4 (Full Validation)	MC	0	PEPPIN	1208) s' SAM \ O	and the fact	SMISC	PO4, S	- #-	nəsdA\tı		:46 AM
Accreditatio	Accreditation:	□ AZ Co	mpliance	Sampler: Chance	7.1	0/ <i>xo</i> /		Z808/	10000	'cON	(7			
	□ EDD (Type)	1		# of Coolers:	3 4	41-01=45		səp			10			
				Cooler Temp(including CF):	O(including CF):	3,7-0,1-3,6 (°C)		ioitse	100					
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL NO. ((X3T <i>g</i> 08:H9T	8081 P	EDB (M	RCRA 8	V) 0928	2) 0728 Total Co		
5/20	6/29/230	5 50,7	7 BH22-09 0'	402	256		3							
-	1:35	-	BH22-09 2'	1	Į.	200	-							
	1:40		BHZZ-10 0'			903								
	1:45		8422-10 2"			70								F
	1:50		BHEZ-11 0			805								
-	1.55		8422-11 21		/	900	_							
		>												
Date:	Time:	Relinquished by	, idepou	Received by:	Via:	Date Time	Remarks:	-	<i>i</i> ;	CC: Chance		Coxxon		Pa
Date:	Time: $ \mathcal{Q}_{\mathcal{O}_{\mathcal{L}}} $	Relinquished by:	hed by:	1 00	Via:			Ò	Direct		11.	81711 506		ge 179 of



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

September 20, 2022

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

FAX:

RE: Dayton ER Battery OrderNo.: 2209552

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 1 sample(s) on 9/13/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/20/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-07 0-4'

Project: Dayton ER Battery
 Collection Date: 9/9/2022 10:15:00 AM

 Lab ID: 2209552-001
 Matrix: SOIL
 Received Date: 9/13/2022 7:50:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	9/14/2022 10:55:37 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/14/2022 10:55:37 PM
Surr: DNOP	78.5	21-129	%Rec	1	9/14/2022 10:55:37 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/14/2022 3:13:33 PM
Surr: BFB	94.6	37.7-212	%Rec	1	9/14/2022 3:13:33 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	9/14/2022 3:13:33 PM
Toluene	ND	0.047	mg/Kg	1	9/14/2022 3:13:33 PM
Ethylbenzene	ND	0.047	mg/Kg	1	9/14/2022 3:13:33 PM
Xylenes, Total	ND	0.094	mg/Kg	1	9/14/2022 3:13:33 PM
Surr: 4-Bromofluorobenzene	89.2	70-130	%Rec	1	9/14/2022 3:13:33 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	410	60	mg/Kg	20	9/14/2022 3:08:47 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209552**

20-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-70171 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 70171 RunNo: 91019

Prep Date: 9/14/2022 Analysis Date: 9/14/2022 SeqNo: 3256416 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-70171 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 70171 RunNo: 91019

Prep Date: 9/14/2022 Analysis Date: 9/14/2022 SeqNo: 3256417 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.4 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
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- S % Recovery outside of range due to dilution or matrix interference
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- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209552 20-Sep-22**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-70160	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 70160	RunNo: 91028					
Prep Date: 9/13/2022	Analysis Date: 9/14/2022	SeqNo: 3255495 Units: %Rec					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	3.4 5.000	68.7 21 129					
Sample ID: LCS-70166	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 70166	RunNo: 91028					
Prep Date: 9/14/2022	Analysis Date: 9/14/2022	SeqNo: 3255496 Units: %Rec					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	5.1 5.000	103 21 129					
Sample ID: MB-70160	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch ID: 70160	RunNo: 91028					
Prep Date: 9/13/2022	Analysis Date: 9/14/2022	SeqNo: 3255498 Units: %Rec					
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual					
Surr: DNOP	8.5 10.00	85.5 21 129					

Sample ID: MB-70166	SampType:	MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID:	70166	RunNo: 91028						
Prep Date: 9/14/2022	Analysis Date:	9/14/2022	5	SeqNo: 3	255499	Units: %Rec	;		
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	8.0	10.00		80.4	21	129			

Sample ID: LCS-70150	.CS-70150 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Ra											
Client ID: LCSS	Batch	n ID: 70 1	150	F	RunNo: 9	1028						
Prep Date: 9/13/2022	Analysis D	Date: 9/	14/2022	SeqNo: 3256968			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	38	15	50.00	0	75.6	64.4	127					
Surr: DNOP	2.4		5.000		48.9	21	129					

Sample ID: LCS-70156	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 70156	RunNo: 91028					
Prep Date: 9/13/2022	Analysis Date: 9/15/2022	SeqNo: 3256969	Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
C DNOD	4.0 F.000	04.0 04	120				

Surr: DNOP 4.2 5.000 84.0 21 129

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2209552 20-Sep-22**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-70150	SampT	уре: МЕ	BLK	Tes	tCode: EF	EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batcl	n ID: 70 ′	150	RunNo: 91028									
Prep Date: 9/13/2022	Analysis D	Date: 9/	14/2022										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	ND	15											
Motor Oil Range Organics (MRO)	ND	50											
Surr: DNOP	6.7		10.00		67.4	21	129						
Sample ID: MB-70156	SampT	уре: МЕ	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: PBS	Batcl	n ID: 70 ′	156	RunNo: 91028									

Prep Date: 9/13/20		ate: 9/15/2022	SeqNo: 3						
Analyte	Result	PQL SPK value	SPK Ref Val %REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP	8.3	10.00	83.3	21	129				
Sample ID: 2209552	2-001AMS SampTy	pe: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics						

Sample ID: 2209552-001	AMS Samp	Туре: МЅ	;	Tes	tCode: EF	PA Method	d 8015M/D: Diesel Range Organics					
Client ID: WS22-07 0-4	Bato	ch ID: 70 1	150	RunNo: 91028								
Prep Date: 9/13/2022	Analysis	Date: 9/	14/2022	SeqNo: 3257595			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	37	14	45.70	0	79.9	36.1	154					
Surr: DNOP	2.3		4.570		50.3	21	129					

Sample ID:	2209552-001AMSD	SampT	ampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID:	WS22-07 0-4'	Batch	1D: 70	150	F	RunNo: 9	1028					
Prep Date:	9/13/2022	Analysis D	ate: 9/	14/2022	5	SeqNo: 32	257597	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (Organics (DRO)	41	14	48.08	0	84.8	36.1	154	11.0	33.9		
Surr: DNOP		3.0		4.808		61.7	21	129	0	0		

Qualifiers:

Value exceeds Maximum Contaminant Level.

.

- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209552**

20-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: G91017 RunNo: 91017

Prep Date: Analysis Date: 9/14/2022 SeqNo: 3255829 Units: %Rec

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

Surr: BFB 930 1000 92.5 37.7 212

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: G91017 RunNo: 91017

Prep Date: Analysis Date: 9/14/2022 SeqNo: 3255830 Units: %Rec

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

Surr: BFB 1900 1000 186 37.7 212

Sample ID: mb-70138 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 70138 RunNo: 91017

Prep Date: 9/13/2022 Analysis Date: 9/14/2022 SeqNo: 3255835 Units: mg/Kg

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

 Gasoline Range Organics (GRO)
 ND
 5.0

 Surr: BFB
 900
 1000
 90.2
 37.7
 212

Sample ID: Ics-70138 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 70138 RunNo: 91017

Prep Date: 9/13/2022 Analysis Date: 9/14/2022 SeqNo: 3255836 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 24 5.0 25.00 0 97.0 72.3 137

 Gasoline Range Organics (GRO)
 24
 5.0
 25.00
 0
 97.0
 72.3
 137

 Surr: BFB
 1900
 1000
 190
 37.7
 212

Sample ID: 2209552-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: WS22-07 0-4' Batch ID: 70138 RunNo: 91017

Prep Date: 9/13/2022 Analysis Date: 9/14/2022 SeqNo: 3255840 Units: mg/Kg

PQL SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result SPK value LowLimit Qual 70 Gasoline Range Organics (GRO) 27 4.7 23.67 0 116 130

Surr: BFB 2000 947.0 208 37.7 212

Sample ID: 2209552-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: WS22-07 0-4' Batch ID: 70138 RunNo: 91017

Prep Date: 9/13/2022 Analysis Date: 9/14/2022 SeqNo: 3255841 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 4.7 23.58 0 111 70 130 4.15 20

Surr: BFB 1900 943.4 204 37.7 212 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209552 20-Sep-22**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: B91017 RunNo: 91017

Prep Date: Analysis Date: 9/14/2022 SegNo: 3255864 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.87 1.000 86.8 70 130

Sample ID: 100ng btex Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: B91017 RunNo: 91017

0.86

Prep Date: Analysis Date: 9/14/2022 SeqNo: 3255865 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.88 1.000 87.9 70 130

Sample ID: mb-70138 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 70138 RunNo: 91017 Prep Date: Analysis Date: 9/14/2022 SeqNo: 3255870 Units: mg/Kg 9/13/2022 POI SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte Result I owl imit HighLimit ND 0.025 Benzene Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10

86.4

70

130

Sample ID: LCS-70138 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 70138 RunNo: 91017 Prep Date: Analysis Date: 9/14/2022 SeqNo: 3255871 Units: mg/Kg 9/13/2022 SPK value SPK Ref Val %REC %RPD **RPDLimit** Qual Analyte Result **PQL** LowLimit HighLimit Benzene 0.85 0.025 1.000 0 85.2 80 120 Toluene 0.050 1.000 0 88.0 80 120 0.88

Ethylbenzene 0.88 0.050 1.000 0 88.2 80 120 Xylenes, Total 0.10 3.000 0 87.8 80 120 2.6 Surr: 4-Bromofluorobenzene 0.90 1.000 90.5 70 130

1.000

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Surr: 4-Bromofluorobenzene

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

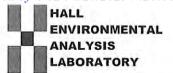
E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuguerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

	Vertex Rese Services, In		Work	Order Numb	per: 220	9552		RcptNo	o: 1
Received By:	Cheyenne	Cason	9/13/20	22 7:50:00 /	AM		Chul		
Completed By:	Cheyenne	Cason	9/13/20	22 8:16:15	AM		Chul		
Reviewed By:	SGL 9	13/22							
Chain of Cust	ody								
1. Is Chain of Cu	stody compl	ete?			Yes	V	No 🗌	Not Present	
2. How was the s	ample deliv	ered?			Cou	rier			
Log In									
3. Was an attempt	ot made to c	ool the samp	oles?		Yes	V	No 🗌	NA 🗆	
4. Were all sample	les received	at a tempera	ature of >0° C	to 6.0°C	Yes	V	No 🗆	NA 🗆	
5. Sample(s) in p	roper contai	ner(s)?			Yes	V	No 🗌		
6. Sufficient samp	ole volume fo	or indicated t	test(s)?		Yes	V	No 🗆		
7. Are samples (e	xcept VOA	and ONG) pr	operly preserve	ed?	Yes	~	No 🗌		
8. Was preservati	ive added to	bottles?			Yes		No 🗹	NA 🗆	
9. Received at lea	ast 1 vial with	n headspace	<1/4" for AQ \	OA?	Yes		No 🗆	NA 🗹	
10. Were any sam	ple containe	rs received I	broken?		Yes		No 🗹	# of preserved	
11. Does paperwor (Note discrepa			y)		Yes	V	No 🗌	bottles checked for pH: (<2 c	or >12 unless noted)
12. Are matrices co	orrectly ident	tified on Cha	in of Custody?		Yes	V	No 🗌	Adjusted?	
13. Is it clear what	analyses we	ere requested	d?		Yes	~	No 🗌		-1-1
14. Were all holdin (If no, notify cu)		Yes	V	No 🗆	Checked by:	JN9/13/2
Special Handli	ng (if app	licable)							
15. Was client not	ified of all di	screpancies	with this order	?	Yes		No 🗌	NA 🗹	
Person N	Notified:			Date:					
By Whor Regardir	ng:			Via:	_ eM	ail 🔲	Phone Fax	☐ In Person	
Client In	structions:								
16. Additional ren	narks:								
17. Cooler Inform	Married Control								
Cooler No	Temp °C	Condition		Seal No	Seal D	ate	Signed By		
1	0.9	Good	Not Present						

NMENTAL SORATORY OCD:	M 87109 4107		6:46 AM							Page 188 of
HALL ENVIRONMENTAL ANALYSIS LABORATOR www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107	Analysis Requ		(1.408/28	eticide thod the Metals Metals , NOs (AC	8081 Pes PAHs by RCRA 8 © F, Br 8260 (VC	>			rks:
].⊑	Project #:	10-5210	10/1/11 (1508) 2 ¹ /2		0.840.1 = 0.9 BE	1/(31)	140zjan ice ocu			Received by: Via: Pate Time Remarks: MMMMM A U U C C C C C C C C C C C
Chain-of-Custody Record	Mailing Address: ON Lile	Phone #:	email or Fax#: QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)	Accreditation: Az Compliance Other	□ EDD (Type)	Date Time Matrix Sample Name				Date: Time: Relinquished by: 9/9 14:45 Sally Cartar Date: Time: Relinquished by:



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

September 26, 2022

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

FAX:

RE: Dayton ER Battery OrderNo.: 2209623

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 4 sample(s) on 9/14/2022 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 Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: TP22-05 0-4'

Project: Dayton ER Battery
 Collection Date: 9/12/2022 10:15:00 AM

 Lab ID: 2209623-001
 Matrix: SOIL
 Received Date: 9/14/2022 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	410	28	mg/Kg	2	9/16/2022 4:01:35 PM
Motor Oil Range Organics (MRO)	990	94	mg/Kg	2	9/16/2022 4:01:35 PM
Surr: DNOP	74.6	21-129	%Rec	2	9/16/2022 4:01:35 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	9/15/2022 7:13:20 PM
Surr: BFB	87.2	37.7-212	%Rec	1	9/15/2022 7:13:20 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	9/15/2022 7:13:20 PM
Toluene	ND	0.048	mg/Kg	1	9/15/2022 7:13:20 PM
Ethylbenzene	ND	0.048	mg/Kg	1	9/15/2022 7:13:20 PM
Xylenes, Total	ND	0.097	mg/Kg	1	9/15/2022 7:13:20 PM
Surr: 4-Bromofluorobenzene	83.6	70-130	%Rec	1	9/15/2022 7:13:20 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	7200	300	mg/Kg	100	9/16/2022 10:04:31 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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 8

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP22-07 0-2.5'

 Project:
 Dayton ER Battery
 Collection Date: 9/12/2022 11:30:00 AM

 Lab ID:
 2209623-002
 Matrix: SOIL
 Received Date: 9/14/2022 7:40:00 AM

Analyses	Result	RL Qu	ial Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	280	29	mg/Kg	2	9/16/2022 12:20:45 PM
Motor Oil Range Organics (MRO)	700	98	mg/Kg	2	9/16/2022 12:20:45 PM
Surr: DNOP	76.1	21-129	%Rec	2	9/16/2022 12:20:45 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/15/2022 7:36:47 PM
Surr: BFB	89.4	37.7-212	%Rec	1	9/15/2022 7:36:47 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	9/15/2022 7:36:47 PM
Toluene	ND	0.049	mg/Kg	1	9/15/2022 7:36:47 PM
Ethylbenzene	ND	0.049	mg/Kg	1	9/15/2022 7:36:47 PM
Xylenes, Total	ND	0.098	mg/Kg	1	9/15/2022 7:36:47 PM
Surr: 4-Bromofluorobenzene	86.2	70-130	%Rec	1	9/15/2022 7:36:47 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	6600	300	mg/Kg	100	9/16/2022 10:16:52 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 8

Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: TP22-08 0-4'

 Project:
 Dayton ER Battery
 Collection Date: 9/12/2022 1:10:00 PM

 Lab ID:
 2209623-003
 Matrix: SOIL
 Received Date: 9/14/2022 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	9/15/2022 8:37:48 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/15/2022 8:37:48 PM
Surr: DNOP	81.8	21-129	%Rec	1	9/15/2022 8:37:48 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/15/2022 8:00:20 PM
Surr: BFB	89.0	37.7-212	%Rec	1	9/15/2022 8:00:20 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	9/15/2022 8:00:20 PM
Toluene	ND	0.049	mg/Kg	1	9/15/2022 8:00:20 PM
Ethylbenzene	ND	0.049	mg/Kg	1	9/15/2022 8:00:20 PM
Xylenes, Total	ND	0.098	mg/Kg	1	9/15/2022 8:00:20 PM
Surr: 4-Bromofluorobenzene	86.4	70-130	%Rec	1	9/15/2022 8:00:20 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	2800	150	mg/Kg	50	9/16/2022 10:29:13 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- 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

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Date Reported: 9/26/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: TP22-09 0-4'

 Project:
 Dayton ER Battery
 Collection Date: 9/12/2022 1:15:00 PM

 Lab ID:
 2209623-004
 Matrix: SOIL
 Received Date: 9/14/2022 7:40:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	9/15/2022 8:48:39 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/15/2022 8:48:39 PM
Surr: DNOP	91.4	21-129	%Rec	1	9/15/2022 8:48:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	9/15/2022 8:23:42 PM
Surr: BFB	90.1	37.7-212	%Rec	1	9/15/2022 8:23:42 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.023	mg/Kg	1	9/15/2022 8:23:42 PM
Toluene	ND	0.047	mg/Kg	1	9/15/2022 8:23:42 PM
Ethylbenzene	ND	0.047	mg/Kg	1	9/15/2022 8:23:42 PM
Xylenes, Total	ND	0.093	mg/Kg	1	9/15/2022 8:23:42 PM
Surr: 4-Bromofluorobenzene	86.5	70-130	%Rec	1	9/15/2022 8:23:42 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	2300	60	mg/Kg	20	9/16/2022 1:06:03 AM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2209623**

27-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-70206 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 70206 RunNo: 91077

Prep Date: 9/15/2022 Analysis Date: 9/15/2022 SeqNo: 3257492 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-70206 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 70206 RunNo: 91077

Prep Date: 9/15/2022 Analysis Date: 9/15/2022 SeqNo: 3257493 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.6 90 110

Sample ID: MB-70196 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 70196 RunNo: 91056

Prep Date: 9/15/2022 Analysis Date: 9/15/2022 SeqNo: 3258074 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-70196 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 70196 RunNo: 91056

Prep Date: 9/15/2022 Analysis Date: 9/15/2022 SeqNo: 3258075 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.3 90 110

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2209623 27-Sep-22**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-70180	SampT	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 70180			F	RunNo: 91028							
Prep Date: 9/14/2022	Analysis D	ate: 9/	15/2022	\$	SeqNo: 3	256970	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	36	15	50.00	0	71.4	64.4	127					
Surr: DNOP	3.0		5.000		59.2	21	129					
Sample ID: MB-70180	SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organ						e Organics	-				

Campic ID. WIB-70100	Campi	ypc. IVIL)LIX	restouce. Li A metriou 0013m/b. Dieser Kange Organics						
Client ID: PBS	Batch	ID: 70	180	R	RunNo: 91028					
Prep Date: 9/14/2022	Analysis D	ate: 9/	15/2022	S	SeqNo: 3	256976	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	6.9		10.00		69.3	21	129			

Sample ID: 2209623-001AMS	SampT	ype: MS	3	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TP22-05 0-4'	Batch	ID: 70	180	R	tunNo: 9	1092				
Prep Date: 9/14/2022	Analysis D	ate: 9/	16/2022	S	SeqNo: 3	260235	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	270	27	44.29	413.2	-321	36.1	154			S
Surr: DNOP	2.6		4.429		57.6	21	129			

Sample ID: 2209623-001AMSD	SampT	/pe: MS	SD	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TP22-05 0-4'	Batch	ID: 70	180	RunNo: 91092						
Prep Date: 9/14/2022	Analysis Da	ate: 9/	16/2022	8	SeqNo: 3	260236	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	260	30	49.50	413.2	-302	36.1	154	2.64	33.9	S
Surr: DNOP	2.8		4.950		56.3	21	129	0	0	

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of 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 8

Hall Environmental Analysis Laboratory, Inc.

WO#: **2209623 27-Sep-22**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-70178 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 70178 RunNo: 91053

Prep Date: 9/14/2022 Analysis Date: 9/15/2022 SeqNo: 3257265 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 920 1000 91.6 37.7 212

Sample ID: Ics-70178 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 70178 RunNo: 91053

1900

Prep Date: 9/14/2022 Analysis Date: 9/15/2022 SeqNo: 3257266 Units: mg/Kg

1000

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 72.3 Gasoline Range Organics (GRO) 25 5.0 25.00 0 101 137

189

37.7

212

Qualifiers:

Surr: BFB

- 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 Quantitative 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

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Hall Environmental Analysis Laboratory, Inc.

0.90

WO#: **2209623**

27-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Surr: 4-Bromofluorobenzene

Sample ID: mb-70178 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 70178 RunNo: 91053 Prep Date: 9/14/2022 Analysis Date: 9/15/2022 SeqNo: 3257346 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Benzene ND 0.025 Toluene ND 0.050 ND 0.050 Ethylbenzene Xylenes, Total ND 0.10

89.7

70

130

Sample ID: LCS-70178 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 70178 RunNo: 91053 9/14/2022 Units: mg/Kg Prep Date: Analysis Date: 9/15/2022 SeqNo: 3257347 PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.025 1.000 0 88.2 80 120 0.88 Benzene Toluene 0.92 0.050 1.000 0 92.1 80 120 0.050 0 91.5 80 120 Ethylbenzene 0.92 1.000 2.7 0.10 3.000 0 90.5 80 120 Xylenes, Total Surr: 4-Bromofluorobenzene 0.91 1.000 91.1 70 130

1.000

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name:	Vertex Resources Services, Inc.	Work Order Num	ber: 2209623		RcptNo: 1	
Received By:	Tracy Casarrubias	9/14/2022 7:40:00	АМ			
Completed By	Tracy Casarrubias	9/14/2022 8:30:04	AM			
Reviewed By:	9-14-72					
Chain of Cu	<u>ıstody</u>					
1. Is Chain of	Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was th	ne sample delivered?		Courier			
Log In						
3. Was an atte	empt made to cool the sa	mples?	Yes 🗸	No 🗌	NA 🗆	
4. Were all sar	mples received at a temp	erature of >0° C to 6.0°C	Yes 🗸	No 🗆	NA 🗆	
5. Sample(s) in	n proper container(s)?		Yes 🔽	No 🗆		
6. Sufficient sa	ample volume for indicated	d test(s)?	Yes 🗸	No 🗌		
7. Are samples	s (except VOA and ONG)	properly preserved?	Yes 🗸	No 🗆		
8. Was preserv	vative added to bottles?		Yes 🗌	No 🔽	NA 🗆	
9. Received at	least 1 vial with headspa	ce <1/4" for AQ VOA?	Yes	No 🗌	NA 🗹	
0. Were any sa	ample containers received	d broken?	Yes	No 🔽	# of preserved	
	work match bottle labels? pancies on chain of custo	dy)	Yes 🗸	No 🗆	bottles checked for pH: (<2 or >12 unless note	d)
2. Are matrices	s correctly identified on Ch	nain of Custody?	Yes 🔽	No 🗌	Adjusted?	
	nat analyses were request		Yes 🔽	No 🗌	4. 01	1
	ding times able to be met customer for authorization		Yes 🔽	No 🗆	Checked by: $7 N 9 1 L$	1/22
pecial Hand	dling (if applicable)			6		
15. Was client r	notified of all discrepancie	s with this order?	Yes 🗌	No 🗌	NA 🗸	
Perso	n Notified:	Date:				
By Wh	hom:	Via:	eMail P	hone Fax	☐ In Person	
Regar	rding:					
Client	Instructions:					
16. Additional re	remarks:					
7. Cooler Info	ormation					
Cooler N		n Seal Intact Seal No	Seal Date	Signed By		
1	3.9 Good	Yes				



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

September 21, 2022

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

FAX:

RE: Dayton ER Battery OrderNo.: 2209814

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 2 sample(s) on 9/16/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 9/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP22-20 0-4'

 Project:
 Dayton ER Battery
 Collection Date: 9/14/2022 10:00:00 AM

 Lab ID:
 2209814-001
 Matrix: SOIL
 Received Date: 9/16/2022 7:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	9/19/2022 3:05:09 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	9/19/2022 3:05:09 PM
Surr: DNOP	81.7	21-129	%Rec	1	9/19/2022 3:05:09 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	9/19/2022 12:34:20 PM
Surr: BFB	100	37.7-212	%Rec	1	9/19/2022 12:34:20 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	9/19/2022 12:34:20 PM
Toluene	ND	0.049	mg/Kg	1	9/19/2022 12:34:20 PM
Ethylbenzene	ND	0.049	mg/Kg	1	9/19/2022 12:34:20 PM
Xylenes, Total	ND	0.098	mg/Kg	1	9/19/2022 12:34:20 PM
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	9/19/2022 12:34:20 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	800	60	mg/Kg	20	9/19/2022 4:30:15 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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 6

Date Reported: 9/21/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP22-22 0-4'

Project: Dayton ER Battery
 Collection Date: 9/14/2022 2:00:00 PM

 Lab ID: 2209814-002
 Matrix: SOIL
 Received Date: 9/16/2022 7:45:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	9/19/2022 3:15:54 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	9/19/2022 3:15:54 PM
Surr: DNOP	88.9	21-129	%Rec	1	9/19/2022 3:15:54 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	9/19/2022 1:45:09 PM
Surr: BFB	100	37.7-212	%Rec	1	9/19/2022 1:45:09 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	9/19/2022 1:45:09 PM
Toluene	ND	0.050	mg/Kg	1	9/19/2022 1:45:09 PM
Ethylbenzene	ND	0.050	mg/Kg	1	9/19/2022 1:45:09 PM
Xylenes, Total	ND	0.099	mg/Kg	1	9/19/2022 1:45:09 PM
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	9/19/2022 1:45:09 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	1400	60	mg/Kg	20	9/19/2022 4:42:39 PM

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2209814**

21-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-70272 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 70272 RunNo: 91150

Prep Date: 9/19/2022 Analysis Date: 9/19/2022 SeqNo: 3261347 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-70272 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 70272 RunNo: 91150

Prep Date: 9/19/2022 Analysis Date: 9/19/2022 SeqNo: 3261348 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.7 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2209814

21-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-70248	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	ID: 702	248	RunNo: 91130							
Prep Date: 9/19/2022	Analysis D	ate: 9/ 1	19/2022	9	SeqNo: 32	260207	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	39	15	50.00	0	77.3	64.4	127				
Surr: DNOP	3.7		5.000		73.9	21	129				

Sample ID: MB-70248 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 70248 RunNo: 91130 Prep Date: 9/19/2022 Analysis Date: 9/19/2022 SeqNo: 3260209 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 15

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 8.6 10.00 86.1 21 129

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2209814**

21-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-70234 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 70234 RunNo: 91122 Prep Date: 9/16/2022 Analysis Date: 9/19/2022 SeqNo: 3260359 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result PQL LowLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 1000 1000 101 37.7 212 Sample ID: Ics-70234 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

LCSS Client ID: Batch ID: 70234 RunNo: 91122 Prep Date: Analysis Date: 9/19/2022 9/16/2022 SeqNo: 3260360 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC I owl imit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 25.00 0 102 72.3 137 Surr: BFB 2000 1000 201 37.7 212

Sample ID: 2209814-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: TP22-20 0-4' Batch ID: 70234 RunNo: 91122 Prep Date: 9/16/2022 Analysis Date: 9/19/2022 SeqNo: 3260362 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte LowLimit HighLimit Qual Gasoline Range Organics (GRO) 27 4.9 24.58 0 111 70 130 Surr: BFB 2100 983.3 209 37.7 212

Sample ID: 2209814-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: TP22-20 0-4' Batch ID: 70234 RunNo: 91122 Prep Date: 9/16/2022 Analysis Date: 9/19/2022 SeqNo: 3260363 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 25 5.0 24.80 103 70 130 7.45 20 Surr: BFB 2000 992.1 204 37.7 212 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2209814**

21-Sep-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-70234	Samp1	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	n ID: 70 2	234	F	RunNo: 91	1122				
Prep Date: 9/16/2022	Analysis D	Date: 9/	19/2022	9	SeqNo: 3260369 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		98.8	70	130			

Sample ID: LCS-70234	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batch	n ID: 702	234	F	RunNo: 91	1122				
Prep Date: 9/16/2022	Analysis D	Date: 9/1	19/2022	5	SeqNo: 32	260370	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	91.5	80	120			
Toluene	0.95	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: 2209814-002ams	Samp	Туре: МЅ	3	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: TP22-22 0-4'	Batc	h ID: 70 2	234	F	RunNo: 9	1122				
Prep Date: 9/16/2022	Analysis I	Date: 9/	19/2022	5	SeqNo: 3	260373	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	89.2	68.8	120			
Toluene	0.94	0.050	1.000	0	94.5	73.6	124			
Ethylbenzene	0.96	0.050	1.000	0	95.9	72.7	129			
Xylenes, Total	2.9	0.10	3.000	0	96.9	75.7	126			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: 2209814-002amsd	SampT	ype: MS	D	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: TP22-22 0-4'	Batch	n ID: 702	234	F	RunNo: 91	1122				
Prep Date: 9/16/2022	Analysis D	Date: 9/1	19/2022	5	SeqNo: 32	260374	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	0.9940	0	83.9	68.8	120	6.74	20	
Toluene	0.88	0.050	0.9940	0	89.0	73.6	124	6.55	20	
Ethylbenzene	0.90	0.050	0.9940	0	90.5	72.7	129	6.40	20	
Xylenes, Total	2.7	0.099	2.982	0	91.6	75.7	126	6.29	20	
Surr: 4-Bromofluorobenzene	1.0		0.9940		103	70	130	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of 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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE

Sample Log-In Check List

Albuquerque, NM 87109 ANALYSIS TEL: 505-345-3975 FAX: 505-345-4107 LABORATORY Website: www.hallenvironmental.com Client Name: Vertex Resources Work Order Number: 2209814 RcptNo: 1 Services, Inc. Received By: Joseph Alderette 9/16/2022 7:45:00 AM Completed By: Cheyenne Cason 9/16/2022 8:09:36 AM Reviewed By Chain of Custody 1. Is Chain of Custody complete? Yes V No 🗌 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes V NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes 🗸 NA 🗌 Sample(s) in proper container(s)? Yes V No L 6. Sufficient sample volume for indicated test(s)? No 7. Are samples (except VOA and ONG) properly preserved? No _ 8. Was preservative added to bottles? No V NA L 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗌 NA V Yes 10. Were any sample containers received broken? Yes No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? 12. Are matrices correctly identified on Chain of Custody? Yes V No 13. Is it clear what analyses were requested? Yes V No 🗌 Checked by: In a 16/2 > 14. Were all holding times able to be met? Yes V No 🗆 (If no, notify customer for authorization.)

Special Handling (if applicable)

15. V	Vas client notified of all discrepancies with this order?		Yes	No 🗌	NA S	1
	Person Notified:	Date:				
	By Whom:	Via:	_ eMail	Phone Fax	☐ In Person	
	Regarding:					
	Client Instructions:					
16	Additional romarks:					

10. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.3	Good	Not Present			-

	Ollein: VONEX		(20G)		□ Standard	d Rush	48 hour			I ∢	AL	HALL ENVI	N	RON	HALL ENVIRONMENTAL	1
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			0		Project/#:	0017	3-0	T	Tel. 5	505-345-3975	3-397		Fax 50	505-345-4107	201.02	0/20.
Phone #:	#:				26t	- COROCARA	be	الما				Anal	sis Re	Request		23 9
email	email or Fax#:				Project Manage	ager:			(0		H	†O		(tr		16:
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	AC	□ Other	1		On Ice:	□ Yes	□ No			Þ0⊆						
	□ EDD (Type)				# of Coolers: /	,				pc						
					Cooler Temp(including CF):	w	3-0:3.3 (°C)			letho						
Date	Time	Matrix	Sample Name		Container Type and #	Preservative Type	HEAL No. 2209814	(XEX)	08:H9T 9 1808	EDB (N	PAHs b	Ćľ)Ł' E	v) 0528	S) 0728 Total C		
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

November 09, 2022

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

FAX:

RE: Dayton ER Battery OrderNo.: 2211151

Dear Michael Moffitt:

Hall Environmental Analysis Laboratory received 4 sample(s) on 11/3/2022 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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 11/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: TP22-31 2'

 Project:
 Dayton ER Battery
 Collection Date: 11/1/2022 12:00:00 PM

 Lab ID:
 2211151-001
 Matrix: SOIL
 Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/4/2022 8:37:51 PM
Motor Oil Range Organics (MRO)	59	50	mg/Kg	1	11/4/2022 8:37:51 PM
Surr: DNOP	101	21-129	%Rec	1	11/4/2022 8:37:51 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	11/4/2022 8:06:31 AM
Surr: BFB	88.8	37.7-212	%Rec	1	11/4/2022 8:06:31 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/4/2022 8:06:31 AM
Toluene	ND	0.048	mg/Kg	1	11/4/2022 8:06:31 AM
Ethylbenzene	ND	0.048	mg/Kg	1	11/4/2022 8:06:31 AM
Xylenes, Total	ND	0.097	mg/Kg	1	11/4/2022 8:06:31 AM
Surr: 4-Bromofluorobenzene	89.3	70-130	%Rec	1	11/4/2022 8:06:31 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	970	60	mg/Kg	20	11/4/2022 12:57:21 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 8

Date Reported: 11/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: TP22-31 4'

Project: Dayton ER Battery **Collection Date:** 11/1/2022 12:15:00 PM 2211151-002 Lab ID: Matrix: SOIL Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	11/4/2022 8:58:40 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	11/4/2022 8:58:40 PM
Surr: DNOP	108	21-129	%Rec	1	11/4/2022 8:58:40 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	11/4/2022 9:17:16 AM
Surr: BFB	90.2	37.7-212	%Rec	1	11/4/2022 9:17:16 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	11/4/2022 9:17:16 AM
Toluene	ND	0.050	mg/Kg	1	11/4/2022 9:17:16 AM
Ethylbenzene	ND	0.050	mg/Kg	1	11/4/2022 9:17:16 AM
Xylenes, Total	ND	0.099	mg/Kg	1	11/4/2022 9:17:16 AM
Surr: 4-Bromofluorobenzene	94.0	70-130	%Rec	1	11/4/2022 9:17:16 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	1300	60	mg/Kg	20	11/4/2022 1:09:45 PM

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

Qualifiers:

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

Reporting Limit

Page 2 of 8

Date Reported: 11/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: TP22-32 2'

 Project:
 Dayton ER Battery
 Collection Date: 11/1/2022 12:30:00 PM

 Lab ID:
 2211151-003
 Matrix: SOIL
 Received Date: 11/3/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/4/2022 9:09:05 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/4/2022 9:09:05 PM
Surr: DNOP	112	21-129	%Rec	1	11/4/2022 9:09:05 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	11/4/2022 10:28:11 AM
Surr: BFB	88.6	37.7-212	%Rec	1	11/4/2022 10:28:11 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/4/2022 10:28:11 AM
Toluene	ND	0.047	mg/Kg	1	11/4/2022 10:28:11 AM
Ethylbenzene	ND	0.047	mg/Kg	1	11/4/2022 10:28:11 AM
Xylenes, Total	ND	0.095	mg/Kg	1	11/4/2022 10:28:11 AM
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	11/4/2022 10:28:11 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	2300	150	mg/Kg	50	11/7/2022 10:13:57 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 8

Date Reported: 11/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: TP22-32 4'

Project: Dayton ER Battery Collection Date: 11/1/2022 12:45:00 PM 2211151-004 Matrix: SOIL **Received Date:** 11/3/2022 7:30:00 AM Lab ID:

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	11/4/2022 9:19:28 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	11/4/2022 9:19:28 PM
Surr: DNOP	125	21-129	%Rec	1	11/4/2022 9:19:28 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	11/4/2022 10:51:52 AM
Surr: BFB	87.9	37.7-212	%Rec	1	11/4/2022 10:51:52 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	11/4/2022 10:51:52 AM
Toluene	ND	0.049	mg/Kg	1	11/4/2022 10:51:52 AM
Ethylbenzene	ND	0.049	mg/Kg	1	11/4/2022 10:51:52 AM
Xylenes, Total	ND	0.098	mg/Kg	1	11/4/2022 10:51:52 AM
Surr: 4-Bromofluorobenzene	91.3	70-130	%Rec	1	11/4/2022 10:51:52 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	1900	60	mg/Kg	20	11/4/2022 1:34:33 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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 4 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: **2211151**

09-Nov-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-71297 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 71297 RunNo: 92365

Prep Date: 11/4/2022 Analysis Date: 11/4/2022 SeqNo: 3319379 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-71297 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 71297 RunNo: 92365

Prep Date: 11/4/2022 Analysis Date: 11/4/2022 SeqNo: 3319380 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.6 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211151

09-Nov-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-71279 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 71279 RunNo: 92341 Units: mg/Kg Prep Date: 11/3/2022 Analysis Date: 11/4/2022 SeqNo: 3319787 PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Diesel Range Organics (DRO) 43 15 50.00 0 86.8 64.4 127 Surr: DNOP 4.1 5.000 81.5 21 129

Sample ID: MB-71279 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 71279 RunNo: 92341

Prep Date: 11/3/2022 Analysis Date: 11/4/2022 SeqNo: 3319789 Units: mg/Kg

LowLimit Analyte Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 15 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 8.1 10.00 81.4 21 129

Qualifiers:

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

Page 6 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: 2211151

09-Nov-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-71269 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 71269 RunNo: 92355 Prep Date: 11/3/2022 Analysis Date: 11/4/2022 SeqNo: 3318894 Units: mg/Kg SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result PQL SPK value LowLimit Qual Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 860 1000 86.4 37.7 212

Sample ID: Ics-71269 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

LCSS Client ID: Batch ID: 71269 RunNo: 92355

Prep Date: Analysis Date: 11/4/2022 SeqNo: 3318895 11/3/2022 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC I owl imit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 24 5.0 25.00 95.4 72.3 137

Surr: BFB 1800 1000 183 37.7 212

Sample ID: 2211151-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: TP22-31 2' Batch ID: 71269 RunNo: 92355

Prep Date: 11/3/2022 Analysis Date: 11/4/2022 SeqNo: 3318897 Units: mg/Kg

PQL SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result LowLimit HighLimit Qual Gasoline Range Organics (GRO) 25 4.8 23.97 0 105 70 130 Surr: BFB 1800 958.8 192 37.7 212

Sample ID: 2211151-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: TP22-31 2' Batch ID: 71269 RunNo: 92355

Prep Date: 11/3/2022 Analysis Date: 11/4/2022 SeqNo: 3318898 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 4.9 24.32 107 70 130 20 3.26 Surr: BFB 1900 972.8 197 37.7 212 0 0

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2211151**

09-Nov-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-71269	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: PBS	Batch	n ID: 71 2	269	RunNo: 92355						
Prep Date: 11/3/2022	Analysis D)ate: 11	/4/2022	5	SeqNo: 3	318947	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	0.91		1.000		90.8	70	130			

Sample ID: LCS-71269	Samp	Гуре: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	h ID: 71 2	269	RunNo: 92355						
Prep Date: 11/3/2022	Analysis [Date: 11	/4/2022	5	SeqNo: 3	318948	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.9	80	120			
Toluene	0.99	0.050	1.000	0	99.1	80	120			
Ethylbenzene	0.99	0.050	1.000	0	98.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.3	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.8	70	130			

Sample ID: 2211151-002ams	Samp ⁻	Type: MS	;	TestCode: EPA Method 8021B: Volatiles						
Client ID: TP22-31 4'	Batc	h ID: 71 2	269	F	RunNo: 9	2355				
Prep Date: 11/3/2022	Analysis [Date: 11	/4/2022	5	SeqNo: 3	318951	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9709	0	114	68.8	120			
Toluene	1.1	0.049	0.9709	0	118	73.6	124			
Ethylbenzene	1.2	0.049	0.9709	0	119	72.7	129			
Xylenes, Total	3.5	0.097	2.913	0.01881	119	75.7	126			
Surr: 4-Bromofluorobenzene	0.92		0.9709		94.5	70	130			

Sample ID: 2211151-002amsd	SampT	ype: MS	D	TestCode: EPA Method 8021B: Volatiles						
Client ID: TP22-31 4'	Batch	n ID: 712	269	RunNo: 92355						
Prep Date: 11/3/2022	Analysis D	Date: 11	/4/2022	5	SeqNo: 33	318952	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9662	0	112	68.8	120	2.54	20	
Toluene	1.1	0.048	0.9662	0	115	73.6	124	2.70	20	
Ethylbenzene	1.1	0.048	0.9662	0	116	72.7	129	3.04	20	
Xylenes, Total	3.4	0.097	2.899	0.01881	115	75.7	126	3.90	20	
Surr: 4-Bromofluorobenzene	0.91		0.9662		93.7	70	130	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

		Website: ww	w.hallenvironmenta	l.com		
	ertex Resources ervices, Inc.	Work Order Num	ber: 2211151		RcptNo:	1
Received By:	Juan Rojas	11/3/2022 7:30:00	AM	Grandy		
Completed By:	Fracy Casarrubias	11/3/2022 8:12:41	AM			
Reviewed By:	84 H-3	.22				
Chain of Custo	<u>dy</u>					
1. Is Chain of Cust	ody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sar	mple delivered?		Courier			
<u>Log In</u> 3. Was an attempt	made to cool the samp	les?	Yes 🗸	No 🗆	NA 🗌	
4. Were all samples	s received at a tempera	ture of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in pro	per container(s)?		Yes 🗹	No 🗌		
3. Sufficient sample	volume for indicated to	est(s)?	Yes 🗹	No 🗆		
7. Are samples (exc	cept VOA and ONG) pro	operly preserved?	Yes 🗹	No 🗌		
8. Was preservative	added to bottles?		Yes 🗌	No 🗹	NA 🗌	
9. Received at least	t 1 vial with headspace	<1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
0. Were any sampl	e containers received b	oroken?	Yes	No 🗹	# of preserved	
	match bottle labels? ies on chain of custody	1	Yes 🗹	No 🗌	bottles checked for pH: (<2 or	>12 unless noted)
	rectly identified on Chai		Yes 🗹	No 🗌	Adjusted?	
	nalyses were requested		Yes ☑	No 🗆		1-1
4. Were all holding	times able to be met? omer for authorization.)		Yes 🔽	No 🗆	Checked by:	ついいろけ
pecial Handling	g (if applicable)					
15. Was client notific	ed of all discrepancies	with this order?	Yes 🗌	No 🗆	NA 🗹	
Person No	tified:	Date	:]			
By Whom:	and the same of th	Via:	eMail F	Phone 🗌 Fax	☐ In Person	
Regarding				A. 3 (May and Address — Co.)		
Client Insti	ructions:			Access to the second se	and the same of th	
16. Additional rema	rks:					
17. <u>Cooler Informa</u> Cooler No	ntion Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
	.5 Good	Yes	Ocal Date	ordinen på		

Received by OCD: 4/20/2023 9:16:46 AM

Chain-of-Custody Record	Turn-Around Time:	IAII ENVIDONMENTAL
Client: /er-flox (EOG)	Standard Rush 48 M	ANALYSIS LABORATORY
		www.hallenvironmental.com
Mailing Address: On Lille	Dayton ER Battery	4901 Hawkins NE - Albuquerque, NM 87109
	Project #/	Tel. 505-345-3975 Fax 505-345-4107
Phone #:	225-00123-01	Analysis Request
email or Fax#:	Project Manager:	†OS
ige:	いのにオ	; (802 9 / MR 504, 9
		080 (1) 2703 7 13
Accreditation:	On Ice: AT-Yes II No	08/8 508/8 504.1 50 10 8 50 N (AC
/pe)_	lers:	od (GF) od (Signalia) objective (GF)
	Cooler Temp(including CF): [4+6-1=1,5-(°C)	desticestices of the Methods 8: 8: Methods 8: Methods 8: Methods 8: Methods 9: Methods 9
	Preservative	08:H9 6/1 PC 1 SHA 1 SHA
Sample N	Type 22	80 80 87 87 87 87 87
11/1/2012:00/2011 1722-31 21	140y an ice 001	>
1, 12:15 1 TP22-31 4"	1 002	
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Date: Time: Relinquished by:	Received by: Yia: Date Time	Wirect Dil Ba
M VAM	JOHN 14 11/3/22 7:30	o CC: Scarttair
v. samples submitted to Hall Environ	l gi	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.

) Released to Imaging: 5/1/2023 9:59:25 AM



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

July 08, 2022

Monica Peppin EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX

RE: Dayton Battery OrderNo.: 2206D52

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 2 sample(s) on 6/24/2022 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 Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2206D52

Date Reported: 7/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: WES22-04 1'

 Project:
 Dayton Battery
 Collection Date: 6/23/2022 8:30:00 AM

 Lab ID:
 2206D52-001
 Matrix: SOIL
 Received Date: 6/24/2022 8:16:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: LRN
Chloride	7400	300	mg/Kg	100	7/1/2022 10:57:18 AM	68444
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	110	15	mg/Kg	1	7/1/2022 3:35:18 PM	68386
Motor Oil Range Organics (MRO)	120	48	mg/Kg	1	7/1/2022 3:35:18 PM	68386
Surr: DNOP	92.3	51.1-141	%Rec	1	7/1/2022 3:35:18 PM	68386
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: BRM
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Surr: BFB	87.2	37.7-212	%Rec	1	6/28/2022 5:50:00 PM	68381
EPA METHOD 8021B: VOLATILES					Analyst	:: BRM
Benzene	ND	0.023	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Toluene	ND	0.047	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Ethylbenzene	ND	0.047	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Xylenes, Total	ND	0.094	mg/Kg	1	6/28/2022 5:50:00 PM	68381
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	6/28/2022 5:50:00 PM	68381

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

Analytical Report

Lab Order **2206D52**Date Reported: **7/8/2022**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: WES22-07 2'

 Project:
 Dayton Battery
 Collection Date: 6/23/2022 8:35:00 AM

 Lab ID:
 2206D52-002
 Matrix: SOIL
 Received Date: 6/24/2022 8:16:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	800	60	mg/Kg	20	6/29/2022 7:30:59 PM	68444
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	6/30/2022 3:32:16 AM	68415
Motor Oil Range Organics (MRO)	ND	51	mg/Kg	1	6/30/2022 3:32:16 AM	68415
Surr: DNOP	90.7	51.1-141	%Rec	1	6/30/2022 3:32:16 AM	68415
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Surr: BFB	101	37.7-212	%Rec	1	6/28/2022 3:57:04 PM	68382
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Toluene	ND	0.048	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Ethylbenzene	ND	0.048	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Xylenes, Total	ND	0.097	mg/Kg	1	6/28/2022 3:57:04 PM	68382
Surr: 4-Bromofluorobenzene	94.6	70-130	%Rec	1	6/28/2022 3:57:04 PM	68382

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

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206D52 08-Jul-22**

Client: EOG

Project: Dayton Battery

Sample ID: MB-68444 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 68444 RunNo: 89143

Prep Date: 6/29/2022 Analysis Date: 6/29/2022 SeqNo: 3167724 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-68444 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 68444 RunNo: 89143

Prep Date: 6/29/2022 Analysis Date: 6/29/2022 SeqNo: 3167725 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.6 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of 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

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Hall Environmental Analysis Laboratory, Inc.

2206D52 08-Jul-22

WO#:

Client: EOG

Project: Dayton Battery

Project: Dayton	Battery		
Sample ID: MB-68386	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68386	RunNo: 89114	
Prep Date: 6/27/2022	Analysis Date: 6/28/2022	SeqNo: 3168753	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	9.6 10.00	96.1 51.1	141
Sample ID: LCS-68386	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 68386	RunNo: 89114	
Prep Date: 6/27/2022	Analysis Date: 6/28/2022	SeqNo: 3168754	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	48 15 50.00	0 96.7 64.4	127
Surr: DNOP	5.1 5.000	102 51.1	141
Sample ID: MB-68415	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68415	RunNo: 89114	
Prep Date: 6/28/2022	Analysis Date: 6/30/2022	SeqNo: 3170264	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 15		
Motor Oil Range Organics (MRO)	ND 50		
Surr: DNOP	9.5 10.00	94.5 51.1	141
Sample ID: LCS-68415	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 68415	RunNo: 89114	
Prep Date: 6/28/2022	Analysis Date: 6/30/2022	SeqNo: 3170265	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	49 15 50.00	0 98.8 64.4	127
Surr: DNOP	5.1 5.000	103 51.1	141
Sample ID: MB-68483	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 68483	RunNo: 89114	
Prep Date: 6/30/2022	Analysis Date: 7/1/2022	SeqNo: 3171985	Units: %Rec
1			

Qualifiers:

Analyte

Surr: DNOP

- 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

Result

13

PQL

B Analyte detected in the associated Method Blank

125

LowLimit

51.1

HighLimit

141

%RPD

RPDLimit

Qual

E Estimated value

SPK value SPK Ref Val %REC

10.00

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

Page 4 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206D52 08-Jul-22**

Client: EOG

Project: Dayton Battery

Sample ID: LCS-68483 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 68483 RunNo: 89114

Prep Date: 6/30/2022 Analysis Date: 7/1/2022 SeqNo: 3171988 Units: %Rec

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

Surr: DNOP 5.5 5.000 110 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 5 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: **2206D52** *08-Jul-22*

Client: EOG

Project: Dayton Battery

Sample ID: Ics-68381 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 68381 RunNo: 89080

Prep Date: 6/27/2022 Analysis Date: 6/28/2022 SeqNo: 3164760 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Gasoline Range Organics (GRO) 26 5.0 25.00 Λ 103 72.3 137

Surr: BFB 2000 1000 196 37.7 212

Sample ID: mb-68381 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **68381** RunNo: **89080**

Prep Date: 6/27/2022 Analysis Date: 6/28/2022 SeqNo: 3164761 Units: mg/Kg

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

 Gasoline Range Organics (GRO)
 ND
 5.0

 Surr: BFB
 870
 1000
 87.5

 Surr: BFB
 870
 1000
 87.5
 37.7
 212

Sample ID: mb-68382 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 68382 RunNo: 89090

Prep Date: 6/27/2022 Analysis Date: 6/28/2022 SeqNo: 3165011 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

 Gasoline Range Organics (GRO)
 ND
 5.0

 Surr: BFB
 1000
 1000
 102
 37.7
 212

Sample ID: Ics-68382 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 68382 RunNo: 89090

Prep Date: 6/27/2022 Analysis Date: 6/28/2022 SeqNo: 3165012 Units: mg/Kg

Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** PQL LowLimit Qual 25.00 Gasoline Range Organics (GRO) 29 5.0 114 72.3 137 Surr: BFB 2200 1000 218 37.7 212 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 Quantitative 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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2206D52 08-Jul-22**

Client: EOG

Project: Dayton Battery

Sample ID: Ics-68381	Samp1	Type: LC	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batcl	h ID: 68	381	F	RunNo: 8	9080				
Prep Date: 6/27/2022	Analysis D	Date: 6/	28/2022	S	SeqNo: 3	164770	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.8	80	120			
Toluene	0.95	0.050	1.000	0	94.8	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.9	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.6	70	130			
Sample ID: mb-68381	Samp1	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batcl	h ID: 68	381	F	RunNo: 8	9080				
Prep Date: 6/27/2022	Analysis D	Date: 6/	28/2022	S	SeqNo: 3	164771	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.2	70	130			
Sample ID: mb-68382	Samp1	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles	·	
Client ID: PBS	Batcl	h ID: 68	382	F	RunNo: 8	9090				
Prep Date: 6/27/2022	Analysis D	Date: 6/	28/2022	S	SeqNo: 3	165039	Units: mg/k	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.7	70	130			

Sample ID: LCS-68382	SampT	ype: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch	n ID: 68 3	382	F	RunNo: 8					
Prep Date: 6/27/2022	Analysis D	oate: 6/ 2	28/2022	S	SeqNo: 3	165040	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	84.9	80	120			
Toluene	0.90	0.050	1.000	0	89.6	80	120			
Ethylbenzene	0.91	0.050	1.000	0	90.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.1	80	120			
Surr: 4-Bromofluorobenzene	0.98		1.000		98.0	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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

LABORATORY

Client Name	EOG		Work Order Nur	nber: 220	06D52		RcptN	lo: 1
Received By	y: Kasandr	a Payan	6/24/2022 8:16:00) AM		HE		
Completed E	By: Cheyenr	e Cason	6/24/2022 9:11:35	AM		Charl		
Reviewed By						Charles		
Chain of C	ustody							
1. Is Chain o	of Custody com	plete?		Yes	·	No	☐ Not Present ☐	
2. How was	the sample deli	vered?		Cou	ırier			
Log In								
3. Was an at	tempt made to	cool the san	nples?	Yes	~	No [□ NA □	
4. Were all sa	amples receive	d at a tempe	rature of >0° C to 6.0°C	Yes	V	No [□ NA □	
5. Sample(s)	in proper conta	ainer(s)?		Yes	~	No [
6. Sufficient s	sample volume	for indicated	test(s)?	Yes	V	No [
7. Are sample	es (except VOA	and ONG) p	properly preserved?	Yes	~	No []	
8. Was prese	rvative added t	o bottles?		Yes		No S	Z NA □	
9. Received a	at least 1 vial wi	th headspac	e <1/4" for AQ VOA?	Yes		No [□ NA 🗹	
10. Were any	sample contain	ers received	broken?	Yes		No 5	# of preserved	
	rwork match bo		ly)	Yes	V	No [or >12 unless noted)
12. Are matrice	es correctly idea	ntified on Ch	ain of Custody?	Yes	V	No [12-751111 71-1112-1
13. Is it clear w	hat analyses w	ere requeste	d?	Yes	~	No [- ()
14. Were all ho (If no, notify	olding times abl y customer for			Yes	V	No [Checked by	ne Glede
Special Han	dling (if ap	olicable)						
			with this order?	Yes		No [NA ☑	
Pers	on Notified:		Date	2				
By W	Vhom:		Via:	☐ eM	ail 🔲	Phone 🔲 F	ax In Person	
Rega	arding:							
	t Instructions:							
16. Additional	remarks:							
17. Cooler In	The state of the s							
Cooler	The second second second		The second secon	Seal D	ate	Signed By		
2	0.8 2.0	Good	Not Present					
	2.0	Good	Not Present					

3	Time: Relinquished by:		6123 8:35 / WESZ-07 21	Time Matrix	Accreditation: Accreditation: Other CEDD (Trans)			Mailing Address:	Chain-of-Custody Record
Received by: Via: Pate Time COUNTRY 6-24-22 8:16		(2)	102 206 00	# of Coolers: 2. 2.4-e 2.2-o.2=2.0 Cooler Temp(including CF): 13.0 00 - 11.8 (°C Container Preservative HEAL No. Type and # Type 2.2-o.2=2.0 1.0-0.7=0.8 HEAL No. 2.206.052	Sampler: C∆ On Ice: ☑ Yes ☐ No	Project Manager: Monica Devin	Project #: 22E-00123-00/	Project Name:	Turn-Around Time: 5-1099 Standard S-Rush
Time: Relinquished by: Received by: Remarks: Remark					es/8082 P0 504.1) or 8270S s s, NO ₂ , P0	/ MRO) CB's	Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	www.hallenvironmental.com	HALL ENVIRONMENTA



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

December 29, 2022

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

FAX

RE: Dayton ER Battery OrderNo.: 2212B89

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 3 sample(s) on 12/21/2022 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 Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2212B89

Date Reported: 12/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES22-01 4'

 Project:
 Dayton ER Battery
 Collection Date: 12/18/2022 12:30:00 PM

 Lab ID:
 2212B89-001
 Matrix: SOIL
 Received Date: 12/21/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	12/22/2022 5:31:29 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	12/22/2022 5:31:29 PM
Surr: DNOP	111	21-129	%Rec	1	12/22/2022 5:31:29 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	12/22/2022 3:58:10 PM
Surr: BFB	86.0	37.7-212	%Rec	1	12/22/2022 3:58:10 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	12/22/2022 3:58:10 PM
Toluene	ND	0.048	mg/Kg	1	12/22/2022 3:58:10 PM
Ethylbenzene	ND	0.048	mg/Kg	1	12/22/2022 3:58:10 PM
Xylenes, Total	ND	0.097	mg/Kg	1	12/22/2022 3:58:10 PM
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	12/22/2022 3:58:10 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	1900	60	mg/Kg	20	12/23/2022 2:37:21 AM

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

Qualifiers:

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

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Analytical Report Lab Order 2212B89

Date Reported: 12/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES22-02 4'

Project: Dayton ER Battery Collection Date: 12/18/2022 12:35:00 PM 2212B89-002 Lab ID: Matrix: SOIL Received Date: 12/21/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	48	14	mg/Kg	1	12/22/2022 6:03:07 PM
Motor Oil Range Organics (MRO)	48	45	mg/Kg	1	12/22/2022 6:03:07 PM
Surr: DNOP	110	21-129	%Rec	1	12/22/2022 6:03:07 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	12/22/2022 5:08:59 PM
Surr: BFB	85.8	37.7-212	%Rec	5	12/22/2022 5:08:59 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.12	mg/Kg	5	12/22/2022 5:08:59 PM
Toluene	ND	0.25	mg/Kg	5	12/22/2022 5:08:59 PM
Ethylbenzene	ND	0.25	mg/Kg	5	12/22/2022 5:08:59 PM
Xylenes, Total	ND	0.49	mg/Kg	5	12/22/2022 5:08:59 PM
Surr: 4-Bromofluorobenzene	85.2	70-130	%Rec	5	12/22/2022 5:08:59 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	1200	60	mg/Kg	20	12/23/2022 2:49:45 AM

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

Qualifiers:

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

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Analytical Report Lab Order 2212B89

Date Reported: 12/29/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WES22-25 0-4'

Project: Dayton ER Battery
 Collection Date: 12/18/2022 1:00:00 PM

 Lab ID: 2212B89-003
 Matrix: SOIL
 Received Date: 12/21/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	12/22/2022 6:13:38 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	12/22/2022 6:13:38 PM
Surr: DNOP	114	21-129	%Rec	1	12/22/2022 6:13:38 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	12/22/2022 6:19:45 PM
Surr: BFB	87.1	37.7-212	%Rec	1	12/22/2022 6:19:45 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	12/22/2022 6:19:45 PM
Toluene	ND	0.049	mg/Kg	1	12/22/2022 6:19:45 PM
Ethylbenzene	ND	0.049	mg/Kg	1	12/22/2022 6:19:45 PM
Xylenes, Total	ND	0.099	mg/Kg	1	12/22/2022 6:19:45 PM
Surr: 4-Bromofluorobenzene	86.4	70-130	%Rec	1	12/22/2022 6:19:45 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	670	60	mg/Kg	20	12/23/2022 3:02:09 AM

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2212B89 29-Dec-22**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72283 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72283 RunNo: 93518

Prep Date: 12/22/2022 Analysis Date: 12/22/2022 SeqNo: 3373583 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72283 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72283 RunNo: 93518

Prep Date: 12/22/2022 Analysis Date: 12/22/2022 SeqNo: 3373584 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.9 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

5.6

2212B89 29-Dec-22

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2212B89-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BES22-01 4' Batch ID: 72271 RunNo: 93500 Prep Date: 12/22/2022 Analysis Date: 12/22/2022 SeqNo: 3374229 Units: mq/Kq PQL SPK value SPK Ref Val HighLimit %RPD **RPDLimit** Analyte Result %REC LowLimit Qual Diesel Range Organics (DRO) 39 13 43.63 Λ 88.5 36.1 154 Surr: DNOP 5.3 4.363 122 21 129

Sample ID: 2212B89-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BES22-01 4' Batch ID: 72271 RunNo: 93500 Prep Date: 12/22/2022 Analysis Date: 12/22/2022 SeqNo: 3374230 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 42 13 44.25 O 94.6 36.1 154 8.08 33.9

125

21

129

0

0

4.425

Sample ID: LCS-72271 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 72271 RunNo: 93500 Prep Date: 12/22/2022 Analysis Date: 12/22/2022 SeqNo: 3374252 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte LowLimit Qual Diesel Range Organics (DRO) 41 15 50.00 0 81.4 64.4 127 Surr: DNOP 5.9 5.000 117 21 129

Sample ID: MB-72271 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 72271 RunNo: 93500 Prep Date: 12/22/2022 Analysis Date: 12/22/2022 SeqNo: 3374254 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result LowLimit Qual Diesel Range Organics (DRO) ND 15 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10.00 111 129 11 21

Qualifiers:

Surr: DNOP

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2212B89**

29-Dec-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2212b89-001ams	SampT	SampType: MS TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BES22-01 4'	Batch	n ID: 72 :	249	F	RunNo: 93515					
Prep Date: 12/21/2022	Analysis D	Date: 12	2/22/2022	SeqNo: 3373440 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.8	24.02	0	112	70	130			
			960.6		197	37.7	212			
Surr: BFB	1900									
Surr: BFB Sample ID: 2212b89-001ams Client ID: BES22-01 4'	d SampT	ype: M \$	SD			PA Method	8015D: Gaso	oline Rang	e	
Sample ID: 2212b89-001ams	d SampT	n ID: 72 :	SD 249	F	tCode: El	PA Method 3515		J	e	
Sample ID: 2212b89-001ams Client ID: BES22-01 4'	d SampT Batch	n ID: 72 :	SD 249 2/22/2022	F	tCode: El	PA Method 3515	8015D: Gasc	J	e RPDLimit	Qual
Sample ID: 2212b89-001amso Client ID: BES22-01 4' Prep Date: 12/21/2022	d SampT Batch Analysis D	n ID: 72 : Date: 1 2	SD 249 2/22/2022	F	tCode: El RunNo: 9: SeqNo: 3:	PA Method 3515 373441	8015D: Gasc	(g		Qual

Sample ID: Ics-72249	s	TestCode: EPA Method 8015D: Gasoline Range									
Client ID: LCSS	249	RunNo: 93515									
Prep Date: 12/21/2022	ep Date: 12/21/2022 Analysis Date: 12/22/2022					373470	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	72.3	137				
Surr: BFB	1900		1000		188	37.7	212				

Sample ID: mb-72249	SampT	ype: ME	BLK	Test	tCode: El	е						
Client ID: PBS	Batch	n ID: 72	249	R	tunNo: 9	3515						
Prep Date: 12/21/2022	Analysis D	ate: 12	2/22/2022	S	SeqNo: 3	373472	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Gasoline Range Organics (GRO)	ND	5.0										
Surr: BFB	880		1000		88.2	37.7	212					

Sample ID: mb	SampTy	pe: ME	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: PBS	Batch	ID: R9	3539	F	RunNo: 9	3539				
Prep Date:	Analysis Da	ite: 12	2/23/2022	\$	SeqNo: 3	374535	Units: %Red	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	860		1000		86.2	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS TestCode: EPA Method 8015D: Ga							line Rang	е	
Client ID: LCSS	Batch	ID: R9	3539	F	RunNo: 9	3539				
Prep Date:	Analysis D	Analysis Date: 12/23/2022				374536	Units: %Red	С		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1800		1000		181	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 Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212B89**

29-Dec-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2212b89-002ams	SampT	ype: MS	3	Tes	tCode: El	tiles					
Client ID: BES22-02 4'	Batch	ID: 72 2	249	F	RunNo: 9						
Prep Date: 12/21/2022	Analysis D	ate: 12	/22/2022	9	SeqNo: 3373541			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.94	0.12	0.9862	0	95.3	68.8	120				
Toluene	0.97	0.25	0.9862	0	97.9	73.6	124				
Ethylbenzene	0.96	0.25	0.9862	0	96.9	72.7	129				
Xylenes, Total	2.9	0.49	2.959	0	97.8	75.7	126				
Surr: 4-Bromofluorobenzene	4.3		4.931		87.6	70	130				

Sample ID: 2212b89-002amsd	SampT	ype: MS	SD	Test	tCode: El	iles				
Client ID: BES22-02 4'	R	RunNo: 9	3515							
Prep Date: 12/21/2022	Analysis D	ate: 12	2/22/2022	S	SeqNo: 3373542			g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.12	0.9852	0	101	68.8	120	5.66	20	
Toluene	1.0	0.25	0.9852	0	104	73.6	124	6.14	20	
Ethylbenzene	1.0	0.25	0.9852	0	103	72.7	129	6.30	20	
Xylenes, Total	3.1	0.49	2.956	0	104	75.7	126	5.85	20	
Surr: 4-Bromofluorobenzene	4.4		4.926		89.1	70	130	0	0	

Sample ID: LCS-72249	SampT	ype: LC	S	Tes						
Client ID: LCSS	Batcl	h ID: 72 2	249	F	RunNo: 9					
Prep Date: 12/21/2022	Analysis D	Date: 12	2/22/2022	S	SeqNo: 3	373570	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	82.6	80	120			
Toluene	0.84	0.050	1.000	0	83.8	80	120			
Ethylbenzene	0.84	0.050	1.000	0	84.5	80	120			
Xylenes, Total	2.5	0.10	3.000	0	84.5	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.3	70	130			

Sample ID: mb-72249	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS	F												
Prep Date: 12/21/2022	Analysis D	oate: 12	2/22/2022	8	SeqNo: 3	373572	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						

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

Page 7 of 8

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212B89**

29-Dec-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: R93539 RunNo: 93539

Prep Date: Analysis Date: 12/23/2022 SeqNo: 3374633 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.88 1.000 87.5 70 130

Sample ID: 100ng btex Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: R93539 RunNo: 93539

Prep Date: Analysis Date: 12/23/2022 SeqNo: 3374634 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.87 1.000 87.3 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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 8



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

	Vertex Resources Services, Inc.	Work Order Nu	mber: 2212B89		RcptNo	o: 1
Received By:	Cheyenne Cason	12/21/2022 7:20:	00 AM	Cheel		
Completed By:	Cheyenne Cason	12/21/2022 7:38:	01 AM	Chent		
Reviewed By:	A 12-21-22					
Chain of Custo	ody					
1. Is Chain of Cus	tody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the sa	ample delivered?		Courier			
Log In						
	t made to cool the sa	imples?	Yes 🗸	No 🗌	NA 🗌	
4. Were all sample	es received at a temp	erature of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in pro	oper container(s)?		Yes 🗸	No 🗌		
6. Sufficient sampl	le volume for indicate	ed test(s)?	Yes 🗹	No 🗌		
7. Are samples (ex	ccept VOA and ONG)	properly preserved?	Yes 🗹	No 🗌		
Was preservatīv	e added to bottles?		Yes 🗌	No 🗹	na 🗆	
9. Received at leas	st 1 vial with headspa	ice <1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
0. Were any samp	le containers receive	d broken?	Yes	No 🗹	# of preserved	
	match bottle labels?		Yes 🗹	No 🗆	bottles checked for pH: (<2 o	r >12 unless noted)
2. Are matrices cor	rrectly identified on C	hain of Custody?	Yes 🗹	No 🗌	Adjusted?	
3. Is it clear what a	inalyses were reques	ted?	Yes 🗹	No 🗌		1
	times able to be me tomer for authorization		Yes 🗹	No 🗆	Checked by:	JU15/51/
pecial Handlin	g (if applicable)					
15. Was client notifi	ied of all discrepanci	es with this order?	Yes 🗌	No 🗌	NA 🗹	
Person No	otified:	Dat	e: [
By Whom	: [Via	eMail []	Phone Fax	In Person	
Regarding	g:					
Client Inst	tructions:					
16. Additional rema	arks:			***		
17. <u>Cooler Informa</u>	ation					
Cooler No	Temp °C Condition	on Seal Intact Seal No	Seal Date	Signed By		
1	4.7 Good	Not Present				

4.8

Good

Not Present

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	ANALYSTS I ABODATODY	THE THE PROPERTY OF THE PROPER	www.hallenvironmental.com		Anal	†O	PO4, S SIMS PCB's	280 (1) 3270 02,	5/8/03/ 5/8/04: 5/8/04: 5/7/04: 6/8/	GR desides des	etho etho y 83 h Me r, <i>N</i> OA)	BTEX N 8081 Pe 8081 Pe PAHs by RCRA 8 8250 (V 8270 (S Total Co			The property of the party of th						Remarks: CC: M'ChqLl BarnCS		Direct 18111 604
Turn-Around Time: サターカン	□ Standard		Dayton ER Battery	Project #:	ZZE-00123-01	Project Manager:	Dixon	Sampler: 773	Ø Yes □ No	olers: 2 4.7-0-4.7	(including CF): 4.8-0=4,8 (°C)	Container Preservative HEAL No. Type and # Type	Ich m		500	The state of the s	And the second of the second o	A RESIDENCE CONTRACTOR OF THE	and the state of the law state of the state	A CONTRACTOR OF THE PROPERTY O	Via: Cate Time	Received by: Via: Date Time	mc cow 12/2/12 0720
Chain-of-Custody Record	Client: FD 4 1 VPC+1,X		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package: □ Standard □ Level 4 (Full Validation)	1:	□ Other			Date Time Matrix Sample Name	15 10-2258 & 1.05 08:21 MENZI	, 12:35 BESZE-02 4	1:00 1:00/						Relinquished by:	Relinquished by:	2 Cum

will be clearly notated on the analytical report. Released to Imaging: 5/1/2023 9:59:25 AM

Analytical Report Lab Order 2212C86

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-32 0-4'

Project: Dayton ER Battery
 Collection Date: 12/20/2022 9:00:00 AM

 Lab ID: 2212C86-001
 Matrix: MEOH (SOIL)
 Received Date: 12/22/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: DGH			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	12/22/2022 8:32:01 PM			
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/22/2022 8:32:01 PM			
Surr: DNOP	117	21-129	%Rec	1	12/22/2022 8:32:01 PM			
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA			
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/22/2022 9:16:15 AM			
Surr: BFB	89.5	37.7-212	%Rec	1	12/22/2022 9:16:15 AM			
EPA METHOD 8021B: VOLATILES					Analyst: RAA			
Benzene	ND	0.025	mg/Kg	1	12/22/2022 9:16:15 AM			
Toluene	ND	0.050	mg/Kg	1	12/22/2022 9:16:15 AM			
Ethylbenzene	ND	0.050	mg/Kg	1	12/22/2022 9:16:15 AM			
Xylenes, Total	ND	0.10	mg/Kg	1	12/22/2022 9:16:15 AM			
Surr: 4-Bromofluorobenzene	88.2	70-130	%Rec	1	12/22/2022 9:16:15 AM			
EPA METHOD 300.0: ANIONS					Analyst: CAS			
Chloride	1000	60	mg/Kg	20	12/27/2022			

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

 $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 0

Analytical Report Lab Order 2212C86

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-41 0-4'

 Project:
 Dayton ER Battery
 Collection Date: 12/20/2022 11:50:00 AM

 Lab ID:
 2212C86-002
 Matrix: MEOH (SOIL)
 Received Date: 12/22/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed			
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: DGH			
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	12/22/2022 8:42:49 PM			
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	12/22/2022 8:42:49 PM			
Surr: DNOP	119	21-129	%Rec	1	12/22/2022 8:42:49 PM			
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA			
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/22/2022 9:39:48 AM			
Surr: BFB	89.6	37.7-212	%Rec	1	12/22/2022 9:39:48 AM			
EPA METHOD 8021B: VOLATILES					Analyst: RAA			
Benzene	ND	0.025	mg/Kg	1	12/22/2022 9:39:48 AM			
Toluene	ND	0.050	mg/Kg	1	12/22/2022 9:39:48 AM			
Ethylbenzene	ND	0.050	mg/Kg	1	12/22/2022 9:39:48 AM			
Xylenes, Total	ND	0.10	mg/Kg	1	12/22/2022 9:39:48 AM			
Surr: 4-Bromofluorobenzene	88.7	70-130	%Rec	1	12/22/2022 9:39:48 AM			
EPA METHOD 300.0: ANIONS					Analyst: CAS			
Chloride	910	60	mg/Kg	20	12/27/2022			

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

ting Limit Page 2 of 0

Analytical Report Lab Order 2212C86

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-03 4'

 Project:
 Dayton ER Battery
 Collection Date: 12/20/2022 11:55:00 AM

 Lab ID:
 2212C86-003
 Matrix: MEOH (SOIL)
 Received Date: 12/22/2022 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: DGH				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	12/22/2022 8:53:33 PM				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	12/22/2022 8:53:33 PM				
Surr: DNOP	110	21-129	%Rec	1	12/22/2022 8:53:33 PM				
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA				
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	12/22/2022 10:03:24 AM				
Surr: BFB	87.4	37.7-212	%Rec	1	12/22/2022 10:03:24 AM				
EPA METHOD 8021B: VOLATILES					Analyst: RAA				
Benzene	ND	0.025	mg/Kg	1	12/22/2022 10:03:24 AM				
Toluene	ND	0.050	mg/Kg	1	12/22/2022 10:03:24 AM				
Ethylbenzene	ND	0.050	mg/Kg	1	12/22/2022 10:03:24 AM				
Xylenes, Total	ND	0.10	mg/Kg	1	12/22/2022 10:03:24 AM				
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	12/22/2022 10:03:24 AM				
EPA METHOD 300.0: ANIONS					Analyst: CAS				
Chloride	1900	60	mg/Kg	20	12/27/2022				

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 0



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

January 03, 2023

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

FAX

RE: Dayton ER Battery OrderNo.: 2212E05

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/28/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2212E05

Date Reported: 1/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-50 0-4'

 Project:
 Dayton ER Battery
 Collection Date: 12/21/2022 11:15:00 AM

 Lab ID:
 2212E05-001
 Matrix: MEOH (SOIL)
 Received Date: 12/28/2022 6:50:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: SB				
Diesel Range Organics (DRO)	250	28	mg/Kg	2	12/31/2022 4:49:16 PM				
Motor Oil Range Organics (MRO)	350	94	mg/Kg	2	12/31/2022 4:49:16 PM				
Surr: DNOP	114	21-129	%Rec	2	12/31/2022 4:49:16 PM				
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB				
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	12/29/2022 5:26:52 AM				
Surr: BFB	90.1	37.7-212	%Rec	1	12/29/2022 5:26:52 AM				
EPA METHOD 8021B: VOLATILES					Analyst: NSB				
Benzene	ND	0.021	mg/Kg	1	12/29/2022 5:26:52 AM				
Toluene	ND	0.043	mg/Kg	1	12/29/2022 5:26:52 AM				
Ethylbenzene	ND	0.043	mg/Kg	1	12/29/2022 5:26:52 AM				
Xylenes, Total	ND	0.086	mg/Kg	1	12/29/2022 5:26:52 AM				
Surr: 4-Bromofluorobenzene	86.2	70-130	%Rec	1	12/29/2022 5:26:52 AM				
EPA METHOD 300.0: ANIONS					Analyst: JTT				
Chloride	1000	60	mg/Kg	20	12/29/2022 1:55:02 PM				

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

Qualifiers:

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

orting Limit Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E05**

03-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72348 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72348 RunNo: 93596

Prep Date: 12/28/2022 Analysis Date: 12/28/2022 SeqNo: 3378080 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72348 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72348 RunNo: 93596

Prep Date: 12/28/2022 Analysis Date: 12/28/2022 SeqNo: 3378081 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.6 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E05 03-Jan-23**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-72338 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 72338 RunNo: 93583

Prep Date: 12/28/2022 Analysis Date: 12/28/2022 SeqNo: 3376644 Units: mg/Kg

PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Diesel Range Organics (DRO) 15 0 45 50.00 90.0 64.4 127

Surr: DNOP 4.6 5.000 92.9 21 129

Sample ID: MB-72338 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 72338 RunNo: 93583

Prep Date: 12/28/2022 Analysis Date: 12/28/2022 SeqNo: 3376646 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 15
Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 8.6 10.00 86.4 21 129

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

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E05**

03-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-72309 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **72309** RunNo: **93580**

Prep Date: 12/23/2022 Analysis Date: 12/28/2022 SeqNo: 3377237 Units: %Rec

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

Surr: BFB 970 1000 96.9 37.7 212

Sample ID: Ics-72309 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 72309 RunNo: 93580

Prep Date: 12/23/2022 Analysis Date: 12/28/2022 SeqNo: 3377238 Units: %Rec

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

Surr: BFB 1900 1000 194 37.7 212

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: R93580 RunNo: 93580

Prep Date: Analysis Date: 12/28/2022 SeqNo: 3377272 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 970 1000 97.0 37.7 212

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: R93580 RunNo: 93580

Prep Date: Analysis Date: 12/28/2022 SeqNo: 3377273 Units: mg/Kg

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

 Gasoline Range Organics (GRO)
 25
 5.0
 25.00
 0
 101
 72.3
 137

 Surr: BFB
 2000
 1000
 195
 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E05**

03-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-72309 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 72309 RunNo: 93580

Prep Date: 12/23/2022 Analysis Date: 12/28/2022 SeqNo: 3377289 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.90 1.000 90.4 70 130

Sample ID: LCS-72309 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 72309 RunNo: 93580

ND

0.91

0.10

Prep Date: 12/23/2022 Analysis Date: 12/28/2022 SeqNo: 3377290 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.94 1.000 93.5 70 130

1.000

Sample ID: mb SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: Batch ID: R93580 RunNo: 93580 Prep Date: Analysis Date: 12/28/2022 SeqNo: 3377313 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result ND 0.025 Benzene ND 0.050 Toluene Ethylbenzene ND 0.050

90.6

70

130

Sample ID: 100ng btex Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: R93580 RunNo: 93580 Prep Date: Analysis Date: 12/28/2022 SeqNo: 3377314 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Benzene 0.96 0.025 1.000 0 95.7 80 120 0.050 1.000 0 97.5 80 120 Toluene 0.98 Ethylbenzene 0.95 0.050 1.000 0 94.8 80 120 Xylenes, Total 2.9 0.10 3.000 0 95.4 80 120 Surr: 4-Bromofluorobenzene 0.92 1.000 92.2 70 130

Qualifiers:

Xylenes, Total

Surr: 4-Bromofluorobenzene

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

Page 5 of 5

Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Wabsite: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

	ertex Reso Services, In		Work	Order Num	ber: 2212E05	-	RcptN	o: 1
Received By:	lsaiah Orti	z	12/28/20)22 6:50:00) AM	エー	04	
Completed By:	Isaiah Orti	z	12/28/20	22 7:25:42	2 AM	I	04	
Reviewed By: 1	n 12/8	28/22					***	
Chain of Custo	<u>ody</u>					_		
1. Is Chain of Cust	tody comple	ete?			Yes 🗹	No L	Not Present	
. How was the sa	mple delive	ered?			Courier			
<u>Log In</u> 3. Was an attempt	made to co	ool the samp	les?		Yes ✓	No [] NA 🗆	
1. Were all sample	s received	at a tempera	ture of >0° C t	o 6.0°C	Yes 🗹	No [] NA 🗆	
5. Sample(s) in pro	oper contair	ner(s)?			Yes 🗹	No []	
3. Sufficient sample	e volume fo	or indicated te	est(s)?		Yes 🔽	No 🗆]	
7. Are samples (ex	cept VOA a	and ONG) pro	perly preserve	d?	Yes 🗹	No □]	
3. Was preservativ	e added to	bottles?			Yes 🗌	No 🗹	B NA □	
9. Received at leas	st 1 vial with	n headspace	<1/4" for AQ V	OA?	Yes 🗌	No [
(). Were any samp	le containe	rs received b	roken?		Yes 🗌	No 🖢	# of preserved	
1. Does paperwork (Note discrepand)		Yes 🗹	No [ør >12 unless noted
2. Are matrices cor	rrectly ident	ified on Chai	n of Custody?		Yes 🗹	No [] Adjusted?	
3 _. Is it clear what a	ınalyses we	re requested	?		Yes 🗹	No 🗆		
4. Were all holding (If no, notify cus					Yes 🗹	No 🗆	Checked by:	Sc 12/28/2
pecial Handlin								
5. Was client notif	ied of all di	screpancies v	with this order?	•	Yes 🗌	No [□ NA 🗹	
Person N	otified:			Date				
By Whom	n:			Via:	eMail] Phone [] F	ax 🗌 In Person	
Regarding	- 5							
Client Ins								
16. Additional rema	arks:							
7. Cooler Inform			ř			1		
Cooler No	Temp °C 3.3	Condition Good	Seal Intact Yes	Seal No	Seal Date	Signed By		

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	ANALYSTS LABORATORY	www hallenvironmental com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Anal	†O	PO₄, S	280; (1.4) (20) (20)	OF 8/85 10 3, 10 8	(GF)	MTTM 15D ethoetho y 833 Mer, 1 ook	ETEX / TPH:80* ROBA PERON (SA) ROBA PE	7						Remarks:	Direct till Edg Cui Michael Burnes	06SO
Turn-Around Time:	□ Standard © Rush 24 h~	Project Name:	Dayton El Battery	'	10-87100-377	Project Manager:	Chance Dixon	Sampler: Michael Bornes	On Ice: 📝 Yes 🗆 No	# of Coolers:	Cooler Temp(including CF): 3.3 & 🔘	Container Preservative Type and # Type							Received by: Via: Date, Time	by: Via: Date Ti	Jal 10 10 11/28/22 06
Chain-of-Custody Record	Client: Goal Vertex		Mailing Address: On らん	,	Phone #:	email or Fax#:	QA/QC Package: A Call Validation	Accreditation:	□ NELAC □ Other	□ EDD (Type)		Date Time Matrix Sample Name	12/21 11:15 Soil W522-50 0-41						Date: Relinquished by:		The law all

/es as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. Released to Imaging: 3/1/2023 9:39:25 AM



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

December 30, 2022

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

FAX

RE: Dayton ER Battery OrderNo.: 2212E04

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/28/2022 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 Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2212E04

Date Reported: 12/30/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS22-56 0-4'

Project: Dayton ER Battery
 Collection Date: 12/22/2022 8:40:00 AM

 Lab ID: 2212E04-001
 Matrix: MEOH (SOIL)
 Received Date: 12/28/2022 6:50:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	23	14	mg/Kg	1	12/28/2022 2:26:28 PM
Motor Oil Range Organics (MRO)	49	48	mg/Kg	1	12/28/2022 2:26:28 PM
Surr: DNOP	92.9	21-129	%Rec	1	12/28/2022 2:26:28 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	12/29/2022 5:03:31 AM
Surr: BFB	91.1	37.7-212	%Rec	1	12/29/2022 5:03:31 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.021	mg/Kg	1	12/29/2022 5:03:31 AM
Toluene	ND	0.041	mg/Kg	1	12/29/2022 5:03:31 AM
Ethylbenzene	ND	0.041	mg/Kg	1	12/29/2022 5:03:31 AM
Xylenes, Total	ND	0.083	mg/Kg	1	12/29/2022 5:03:31 AM
Surr: 4-Bromofluorobenzene	87.9	70-130	%Rec	1	12/29/2022 5:03:31 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	860	60	mg/Kg	20	12/29/2022 1:42:38 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E04**

30-Dec-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72348 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72348 RunNo: 93596

Prep Date: 12/28/2022 Analysis Date: 12/28/2022 SeqNo: 3378080 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72348 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72348 RunNo: 93596

Prep Date: 12/28/2022 Analysis Date: 12/28/2022 SeqNo: 3378081 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.6 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E04**

30-Dec-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-72338	SampT	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch	atch ID: 72338 RunNo: 93583								
Prep Date: 12/28/2022	Analysis D	ate: 12	12/28/2022 SeqNo: 3376644 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	90.0	64.4	127			
Surr: DNOP	4.6		5.000		92.9	21	129			
Sample ID: MB-72338	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: 72 :	338	RunNo: 93583						

Client ID: PBS	Batch	n ID: 72 :	338	F	RunNo: 9	3583				
Prep Date: 12/28/2022	Analysis D	oate: 12	2/28/2022	5	SeqNo: 3376646 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.4	21	129			

Sample ID: LCS-72368	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS Batch ID: 72368 RunNo: 93614							
Prep Date: 12/29/2022	Analysis Date: 12/29/2022	SeqNo: 3378145	Units: %Rec				
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual				
Surr: DNOP	5.8 5.000	115 21	129				

Sample ID: MB-72368	SampTy	/pe: ME	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: PBS	Batch	ID: 72 :	368	F	RunNo: 9	3614				
Prep Date: 12/29/2022	S	SeqNo: 3	378147	Units: %Red	C					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		110	21	120			

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

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E04**

30-Dec-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-72309 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 72309 RunNo: 93580

Prep Date: 12/23/2022 Analysis Date: 12/28/2022 SeqNo: 3377237 Units: %Rec

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

Surr: BFB 970 1000 96.9 37.7 212

Sample ID: Ics-72309 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 72309 RunNo: 93580

Prep Date: 12/23/2022 Analysis Date: 12/28/2022 SeqNo: 3377238 Units: %Rec

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

Surr: BFB 1900 1000 194 37.7 212

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: R93580 RunNo: 93580

Prep Date: Analysis Date: 12/28/2022 SeqNo: 3377272 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 970 1000 97.0 37.7 212

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: R93580 RunNo: 93580

Prep Date: Analysis Date: 12/28/2022 SeqNo: 3377273 Units: mq/Kq

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

 Gasoline Range Organics (GRO)
 25
 5.0
 25.00
 0
 101
 72.3
 137

 Surr: BFB
 2000
 1000
 195
 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E04**

30-Dec-22

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-72309 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 72309 RunNo: 93580

Prep Date: 12/23/2022 Analysis Date: 12/28/2022 SeqNo: 3377289 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.90 1.000 90.4 70 130

Sample ID: LCS-72309 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 72309 RunNo: 93580

ND

0.91

0.10

Prep Date: 12/23/2022 Analysis Date: 12/28/2022 SeqNo: 3377290 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.94 1.000 93.5 70 130

Sample ID: mb SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: Batch ID: R93580 RunNo: 93580 Prep Date: Analysis Date: 12/28/2022 SeqNo: 3377313 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result ND 0.025 Benzene ND 0.050 Toluene Ethylbenzene ND 0.050

Sample ID: 100ng btex Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: R93580 RunNo: 93580 Prep Date: Analysis Date: 12/28/2022 SeqNo: 3377314 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Benzene 0.96 0.025 1.000 0 95.7 80 120 0.050 1.000 0 97.5 80 120 Toluene 0.98

90.6

70

130

Ethylbenzene 0.95 0.050 1.000 0 94.8 80 120 Xylenes, Total 2.9 0.10 3.000 0 95.4 80 120 Surr: 4-Bromofluorobenzene 0.92 1.000 92.2 70 130

1.000

Qualifiers:

Xylenes, Total

Surr: 4-Bromofluorobenzene

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

Page 5 of 5

Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

					w.hallenviron				
Client Name:	Vertex Reso Services, In		Work	Order Num	nber: 2212E	04		RcptN	o: 1
Received By:	Isaiah Orti	iz	12/28/2	022 6:50:0	0 AM		I_O	4	
Completed By:	Cheyenne	Cason	12/28/2	022 7:22:2	7 AM		Chal		
Reviewed By:	JN 12/	28/2	>						
Chain of Cus	stody								
1. Is Chain of C	ustody compl	ete?			Yes 🖪		No 🗌	Not Present	
2. How was the	sample delive	ered?			Courie				
<u>Log In</u>									
3. Was an atten	npt made to c	ool the sample	es?		Yes 🛂	•	No 🗌	NA 🗌	
4. Were all sam	ples received	at a temperati	ure of >0° C	to 6.0°C	Yes 🔽	1	No 🗌	NA 🗆	
5. Sample(s) in	proper contair	ner(s)?			Yes 🛂		No 🗌		
6. Sufficient san	nple volume fo	or indicated tes	st(s)?		Yes 🗹]	No 🗌		
7. Are samples	(except VOA a	and ONG) prop	perly preserve	ed?	Yes 🗸]	No 🗌		
8. Was preserva	tive added to	bottles?			Yes 🗆		No 🗹	NA 🗆	
9. Received at le	east 1 vial with	n headspace <	1/4" for AQ V	OA?	Yes]	No 🗌	NA 🗹	
10. Were any sai	mple containe	rs received bro	oken?		Yes	j	No 🗹	# of preserved	
11.Does paperwo					Yes 🗹]	No 🗆	bottles checked for pH:	or >12 unless noted)
12. Are matrices	correctly ident	ified on Chain	of Custody?		Yes 🗸]	No 🗆	Adjusted?	
13. Is it clear wha		-			Yes 🗹		No 🗌		
14. Were all holdi (If no, notify c	-				Yes 🗸	ļ	No 🗆	Checked by:	20121hr
Special Handi	ling (if app	licable)							
15. Was client no	otified of all dis	screpancies wi	ith this order?	•	Yes []	No 🗌	NA 🗹	
Person	Notified:		-	Date			-		
By Who	om:	***************		Via:	eMail	☐ Pi	none 🗌 Fax	In Person	
Regard	ing:								
Client I	nstructions:								
16. Additional re	marks:								
17. Cooler Info	1	Condition	Seal Intact	Seal No	Sool Date	199	Signed By		
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HALL ENVIRONMENTAL ANALYSIS LABORATORY www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109 Tel. 505-345-3975 Fax 505-345-4107 Analysis Request	8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals CDF, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄ 8260 (VOA) Total Coliform (Present/Absent)		bill Edg Ce: Michaer Barnes
4901 Tel.	TPH:8015D(GRO / DRO / MRO)	2	Direct
	(8021) WTBE / TMB's (8021)	7	
me: A Rush 24 hr oneR Batten E-00123-01	t Manager: CLCUCE DIXOR ler: Michael Carnes S: E Yes COlers: r Temp(matuding cr): iner Preservative HEAL No. and # Type 7212 EOU	100	a: Date, Time Panjar (mo a: Date Time Cour (2/2 \$\sqrt{22} 0 6
LE S	ger: Ance I About A Yes (Including CF): Preservati Type	Tce I	2 1 2
Turn-Around Tim □ Standard Project Name: Day Ho Project #:	Project Manager: CLCACC Sampler: Michael On Ice: Z Yes # of Coolers: Cooler Temp(matteling CF): Container Preserve Type and # Type		Received by: Received by:
Chain-of-Custody Record Client: בּספּא / עבילדבא Mailing Address: ביל ביל אטפּיל	email or Fax#: QA/QC Package: Standard	2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	Date: Time: Relinquished by: Date: Time: Relinquished by: Received by: Received by: Received by: Received by: Received by:

laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report. Released to Imaging: 5/1/2023 9:59:25 AM



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

January 05, 2023

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

FAX:

RE: Dayton ER Battery OrderNo.: 2212E54

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 12/29/2022 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 Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2212E54

Date Reported: 1/5/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WS22-67 0-4ft

Project: Dayton ER Battery Collection Date: 12/27/2022 12:00:00 PM 2212E54-001 Lab ID: Matrix: MEOH (SOIL) **Received Date:** 12/29/2022 7:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	12/29/2022 12:09:55 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	12/29/2022 12:09:55 PM
Surr: DNOP	112	21-129	%Rec	1	12/29/2022 12:09:55 PM
EPA METHOD 8015D: GASOLINE RANGE	<u> </u>				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	12/29/2022 11:43:00 AM
Surr: BFB	114	37.7-212	%Rec	1	12/29/2022 11:43:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.022	mg/Kg	1	12/29/2022 11:43:00 AM
Toluene	ND	0.045	mg/Kg	1	12/29/2022 11:43:00 AM
Ethylbenzene	ND	0.045	mg/Kg	1	12/29/2022 11:43:00 AM
Xylenes, Total	ND	0.090	mg/Kg	1	12/29/2022 11:43:00 AM
Surr: 4-Bromofluorobenzene	123	70-130	%Rec	1	12/29/2022 11:43:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	120	60	mg/Kg	20	12/30/2022 11:28:52 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
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

2212E54 05-Jan-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72373 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72373 RunNo: 93647

Prep Date: 12/29/2022 Analysis Date: 12/30/2022 SeqNo: 3380661 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72373 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72373 RunNo: 93647

Prep Date: 12/29/2022 Analysis Date: 12/30/2022 SeqNo: 3380662 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 98.6 90 110

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

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E54**

05-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2212E54-001AMS	SampTyp	ре: М5	3	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: WS22-67 0-4ft	Batch I	D: 72 3	368	F	RunNo: 93	3614				
Prep Date: 12/29/2022	Analysis Dat	te: 12	2/29/2022	5	SeqNo: 33	378142	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	49.85	0	96.1	36.1	154			
Surr: DNOP	6.1		4.985		122	21	129			
Sample ID: 2212E54-001AM \$	SD SampTyp	pe: M S	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: WS22-67 0-4ft	Batch I	D: 72 3	368	F	RunNo: 93	3614				
Prep Date: 12/29/2022	Analysis Dat	te: 12	2/29/2022	5	SeqNo: 33	378143	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	14	47.13	0	95.2	36.1	154	6.57	33.9	
Surr: DNOP	5.8		4.713		122	21	129	0	0	
Sample ID: LCS-72368	SampTyp	pe: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch I	D: 72 3	368	F	RunNo: 93	3614				
Prep Date: 12/29/2022	Analysis Dat	te: 12	2/29/2022	5	SeqNo: 33	378145	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	15	50.00	0	89.3	64.4	127			
Surr: DNOP	5.8		5.000		115	21	129			
					110		120			
Sample ID: MB-72368	SampTyp	oe: ME		Tes			8015M/D: Die	sel Range	Organics	
Sample ID: MB-72368 Client ID: PBS			BLK			PA Method		sel Range	Organics	
·	SampTyp	D: 72 3	368	F	tCode: EF	PA Method 3614		J	Organics	
Client ID: PBS	SampTyp Batch I Analysis Dat	D: 72 3	BLK 368 2/29/2022	F	tCode: EF RunNo: 9 3 SeqNo: 3 3	PA Method 3614	8015M/D: Die	J	Organics RPDLimit	Qual
Client ID: PBS Prep Date: 12/29/2022 Analyte Diesel Range Organics (DRO)	SampTyp Batch I Analysis Dat Result ND	D: 72 3 te: 12 PQL 15	BLK 368 2/29/2022	F	tCode: EF RunNo: 9 3 SeqNo: 3 3	PA Method 3614 378147	8015M/D: Die	(g	·	Qual
Client ID: PBS Prep Date: 12/29/2022 Analyte	SampTyr Batch I Analysis Dat Result	D: 72 3 te: 12 PQL	BLK 368 2/29/2022	F	tCode: EF RunNo: 9 3 SeqNo: 3 3	PA Method 3614 378147	8015M/D: Die	(g	·	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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 2212E54

05-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-72341 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 72341 RunNo: 93636 Units: mg/Kg Prep Date: 12/28/2022 Analysis Date: 12/29/2022 SeqNo: 3378986 PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Gasoline Range Organics (GRO) 26 5.0 25.00 0 104 72.3 137 Surr: BFB 2300 1000 225 37.7 212 S

Sample ID: mb-72341 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 72341 RunNo: 93636 Prep Date: 12/28/2022 Analysis Date: 12/29/2022 SeqNo: 3378987 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 37.7

Surr: BFB

1100

1000

113

212

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2212E54**

05-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-72341 Client ID: LCSS	SampType: LCS TestCode: EPA Meth Batch ID: 72341 RunNo: 93636						od 8021B: Volatiles					
Prep Date: 12/28/2022	Analysis D		/29/2022		SeqNo: 3;		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	1.1	0.025	1.000	0	110	80	120					
Toluene	1.1	0.050	1.000	0	111	80	120					
Ethylbenzene	1.1	0.050	1.000	0	111	80	120					
Xylenes, Total	3.4	0.10	3.000	0	112	80	120					
Surr: 4-Bromofluorobenzene	1.2		1.000		124	70	130					

Sample ID: mb-72341	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batcl	n ID: 72 3	341	F	RunNo: 93						
Prep Date: 12/28/2022	Analysis D	Date: 12	2/29/2022	SeqNo: 3379012 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	1.2		1.000		124	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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

			v.nanenvironmenie	n.com		
Client Name:	Vertex Resources Services, Inc.	Work Order Numl	ber: 2212E54		RcptNo:	1
Received By:	Cheyenne Cason	12/29/2022 7:30:00	AM	Chal		
Completed By:	Cheyenne Cason	12/29/2022 7:47:38	AM	Chal		
Reviewed By:	ft 12-29-22					
Chain of Cus	stody					
1. Is Chain of C	ustody complete?		Yes	No 🗹	Not Present	
2. How was the	sample delivered?		<u>Courier</u>			
<u>Log In</u>			_		,,,,,,	
Was an atten	npt made to cool the sampl	es?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samp	ples received at a temperat	ure of >0° C to 6.0°C	Yes 🗹	No 🗆	na 🗆	
5. Sample(s) in	proper container(s)?		Yes 🗸	No 🗆		
6. Sufficient sam	nple 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	east 1 vial with headspace <	<1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
0. Were any san	mple containers received br	oken?	Yes	No 🗹	# of preserved	
	ork match bottle labels? ancies on chain of custody)		Yes 🗹	No 🗆	bottles checked for pH:	>12 unless noted)
	correctly identified on Chair		Yes 🗹	No 🗆	Adjusted?	12 dillogo flotod)
	t analyses were requested?	•	Yes 🗹	No 🗌		
4. Were all holdi	ng times able to be met? ustomer for authorization.)		Yes 🗹	No 🗆	Checked by:	n 12/29/
pecial Handl	ing (if applicable)					
15. Was client no	otified of all discrepancies w	ith this order?	Yes 🗌	No 🗌	NA 🗹	
Person	Notified:	Date:	I			
By Who	om:	Via:	eMail	Phone 🗌 Fax	☐ In Person	
Regardi	ing:					
Client Ir	nstructions:					
16. Additional rei	marks:	_				
17. <u>Cooler Infor</u>	mation					
Cooler No		Seal Intact Seal No	Seal Date	Signed By		
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Chain-of-Custody Record

Turn-Around Time:

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	8270 (Total C	8260 (C) F,	RCRA	PAHs	EDB (N	8081 F	TPH:80	STEX	HEAL No. 22 (2554	Preservative Type	Container Type and #	Sample Name	Matrix	Time	Date
									لحدا	(0°) \$'020'8	(including CF): O	Cooler Temp(including CF): 0,8 70 20,6				
							_		BF	Wal	1 22	# of Coolers:			EDD (Type)	
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

January 12, 2023

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

FAX:

RE: Dayton ER Battery OrderNo.: 2301062

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 9 sample(s) on 1/4/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 1/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WS22-82 0-4ft

Project: Dayton ER Battery Collection Date: 12/29/2022 10:00:00 AM 2301062-001 Lab ID: Matrix: MEOH (SOIL) **Received Date:** 1/4/2023 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	1/5/2023 3:45:38 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	1/5/2023 3:45:38 PM
Surr: DNOP	108	21-129	%Rec	1	1/5/2023 3:45:38 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	1/4/2023 10:24:00 AM
Surr: BFB	112	37.7-212	%Rec	1	1/4/2023 10:24:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.020	mg/Kg	1	1/4/2023 10:24:00 AM
Toluene	ND	0.041	mg/Kg	1	1/4/2023 10:24:00 AM
Ethylbenzene	ND	0.041	mg/Kg	1	1/4/2023 10:24:00 AM
Xylenes, Total	ND	0.081	mg/Kg	1	1/4/2023 10:24:00 AM
Surr: 4-Bromofluorobenzene	123	70-130	%Rec	1	1/4/2023 10:24:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	74	60	mg/Kg	20	1/4/2023 2:50:19 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
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 1 of 14

Date Reported: 1/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-04 4ft

 Project:
 Dayton ER Battery
 Collection Date: 12/29/2022 1:50:00 PM

 Lab ID:
 2301062-002
 Matrix: MEOH (SOIL)
 Received Date: 1/4/2023 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	87	15	mg/Kg	1	1/5/2023 2:05:55 PM
Motor Oil Range Organics (MRO)	73	50	mg/Kg	1	1/5/2023 2:05:55 PM
Surr: DNOP	114	21-129	%Rec	1	1/5/2023 2:05:55 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	1/4/2023 10:44:00 AM
Surr: BFB	109	37.7-212	%Rec	1	1/4/2023 10:44:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.022	mg/Kg	1	1/4/2023 10:44:00 AM
Toluene	ND	0.043	mg/Kg	1	1/4/2023 10:44:00 AM
Ethylbenzene	ND	0.043	mg/Kg	1	1/4/2023 10:44:00 AM
Xylenes, Total	ND	0.087	mg/Kg	1	1/4/2023 10:44:00 AM
Surr: 4-Bromofluorobenzene	122	70-130	%Rec	1	1/4/2023 10:44:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	1800	60	mg/Kg	20	1/4/2023 3:27:21 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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 1/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-05 4ft

 Project:
 Dayton ER Battery
 Collection Date: 12/29/2022 1:55:00 PM

 Lab ID:
 2301062-003
 Matrix: MEOH (SOIL)
 Received Date: 1/4/2023 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	370	15	mg/Kg	1	1/5/2023 3:35:19 PM
Motor Oil Range Organics (MRO)	270	49	mg/Kg	1	1/5/2023 3:35:19 PM
Surr: DNOP	108	21-129	%Rec	1	1/5/2023 3:35:19 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	1/4/2023 11:04:00 AM
Surr: BFB	113	37.7-212	%Rec	1	1/4/2023 11:04:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.021	mg/Kg	1	1/4/2023 11:04:00 AM
Toluene	ND	0.043	mg/Kg	1	1/4/2023 11:04:00 AM
Ethylbenzene	ND	0.043	mg/Kg	1	1/4/2023 11:04:00 AM
Xylenes, Total	ND	0.085	mg/Kg	1	1/4/2023 11:04:00 AM
Surr: 4-Bromofluorobenzene	125	70-130	%Rec	1	1/4/2023 11:04:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	5700	300	mg/Kg	100	1/5/2023 8:38:50 AM

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

Qualifiers:

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

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Date Reported: 1/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-06 4ft

 Project:
 Dayton ER Battery
 Collection Date: 12/29/2022 2:00:00 PM

 Lab ID:
 2301062-004
 Matrix: MEOH (SOIL)
 Received Date: 1/4/2023 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	30	14	mg/Kg	1	1/5/2023 11:35:48 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	1/5/2023 11:35:48 AM
Surr: DNOP	111	21-129	%Rec	1	1/5/2023 11:35:48 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	1/4/2023 11:23:00 AM
Surr: BFB	108	37.7-212	%Rec	1	1/4/2023 11:23:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.022	mg/Kg	1	1/4/2023 11:23:00 AM
Toluene	ND	0.043	mg/Kg	1	1/4/2023 11:23:00 AM
Ethylbenzene	ND	0.043	mg/Kg	1	1/4/2023 11:23:00 AM
Xylenes, Total	ND	0.086	mg/Kg	1	1/4/2023 11:23:00 AM
Surr: 4-Bromofluorobenzene	123	70-130	%Rec	1	1/4/2023 11:23:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	1300	61	mg/Kg	20	1/4/2023 4:16:45 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 1/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-07 4ft

 Project:
 Dayton ER Battery
 Collection Date: 12/29/2022 2:05:00 PM

 Lab ID:
 2301062-005
 Matrix: MEOH (SOIL)
 Received Date: 1/4/2023 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OI	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	1/5/2023 11:46:34 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/5/2023 11:46:34 AM
Surr: DNOP	111	21-129	%Rec	1	1/5/2023 11:46:34 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	1/4/2023 11:43:00 AM
Surr: BFB	106	37.7-212	%Rec	1	1/4/2023 11:43:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.022	mg/Kg	1	1/4/2023 11:43:00 AM
Toluene	ND	0.044	mg/Kg	1	1/4/2023 11:43:00 AM
Ethylbenzene	ND	0.044	mg/Kg	1	1/4/2023 11:43:00 AM
Xylenes, Total	ND	0.089	mg/Kg	1	1/4/2023 11:43:00 AM
Surr: 4-Bromofluorobenzene	123	70-130	%Rec	1	1/4/2023 11:43:00 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	670	60	mg/Kg	20	1/4/2023 4:53:48 PM

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

Qualifiers:

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

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Date Reported: 1/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-08 4ft

 Project:
 Dayton ER Battery
 Collection Date: 12/29/2022 2:10:00 PM

 Lab ID:
 2301062-006
 Matrix: MEOH (SOIL)
 Received Date: 1/4/2023 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	1/5/2023 11:57:19 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/5/2023 11:57:19 AM
Surr: DNOP	110	21-129	%Rec	1	1/5/2023 11:57:19 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.5	mg/Kg	1	1/4/2023 12:03:00 PM
Surr: BFB	110	37.7-212	%Rec	1	1/4/2023 12:03:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.027	mg/Kg	1	1/4/2023 12:03:00 PM
Toluene	ND	0.055	mg/Kg	1	1/4/2023 12:03:00 PM
Ethylbenzene	ND	0.055	mg/Kg	1	1/4/2023 12:03:00 PM
Xylenes, Total	ND	0.11	mg/Kg	1	1/4/2023 12:03:00 PM
Surr: 4-Bromofluorobenzene	123	70-130	%Rec	1	1/4/2023 12:03:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	950	60	mg/Kg	20	1/4/2023 5:06:09 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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 1/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-09 4ft

 Project:
 Dayton ER Battery
 Collection Date: 12/29/2022 2:15:00 PM

 Lab ID:
 2301062-007
 Matrix: MEOH (SOIL)
 Received Date: 1/4/2023 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	1/5/2023 12:08:09 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/5/2023 12:08:09 PM
Surr: DNOP	111	21-129	%Rec	1	1/5/2023 12:08:09 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	1/4/2023 12:22:00 PM
Surr: BFB	108	37.7-212	%Rec	1	1/4/2023 12:22:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.023	mg/Kg	1	1/4/2023 12:22:00 PM
Toluene	ND	0.047	mg/Kg	1	1/4/2023 12:22:00 PM
Ethylbenzene	ND	0.047	mg/Kg	1	1/4/2023 12:22:00 PM
Xylenes, Total	ND	0.094	mg/Kg	1	1/4/2023 12:22:00 PM
Surr: 4-Bromofluorobenzene	124	70-130	%Rec	1	1/4/2023 12:22:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	1500	60	mg/Kg	20	1/4/2023 5:18:30 PM

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

Qualifiers:

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

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Date Reported: 1/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BS22-10 4ft

Project: Dayton ER Battery **Collection Date:** 12/30/2022 10:00:00 AM 2301062-008 Lab ID: Matrix: MEOH (SOIL) **Received Date:** 1/4/2023 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	250	13	mg/Kg	1	1/5/2023 4:46:27 PM
Motor Oil Range Organics (MRO)	280	42	mg/Kg	1	1/5/2023 4:46:27 PM
Surr: DNOP	117	21-129	%Rec	1	1/5/2023 4:46:27 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	1/4/2023 12:42:00 PM
Surr: BFB	105	37.7-212	%Rec	1	1/4/2023 12:42:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.021	mg/Kg	1	1/4/2023 12:42:00 PM
Toluene	ND	0.042	mg/Kg	1	1/4/2023 12:42:00 PM
Ethylbenzene	ND	0.042	mg/Kg	1	1/4/2023 12:42:00 PM
Xylenes, Total	ND	0.085	mg/Kg	1	1/4/2023 12:42:00 PM
Surr: 4-Bromofluorobenzene	122	70-130	%Rec	1	1/4/2023 12:42:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	2200	150	mg/Kg	50	1/5/2023 8:51:11 AM

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

Qualifiers:

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

RL Reporting Limit Page 8 of 14

Date Reported: 1/12/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BS22-11 4ft

Project: Dayton ER Battery
 Collection Date: 12/30/2022 10:05:00 AM

 Lab ID: 2301062-009
 Matrix: MEOH (SOIL)
 Received Date: 1/4/2023 7:15:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	52	14	mg/Kg	1	1/5/2023 3:03:11 PM
Motor Oil Range Organics (MRO)	77	47	mg/Kg	1	1/5/2023 3:03:11 PM
Surr: DNOP	116	21-129	%Rec	1	1/5/2023 3:03:11 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	1/4/2023 1:01:00 PM
Surr: BFB	110	37.7-212	%Rec	1	1/4/2023 1:01:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.021	mg/Kg	1	1/4/2023 1:01:00 PM
Toluene	ND	0.042	mg/Kg	1	1/4/2023 1:01:00 PM
Ethylbenzene	ND	0.042	mg/Kg	1	1/4/2023 1:01:00 PM
Xylenes, Total	ND	0.085	mg/Kg	1	1/4/2023 1:01:00 PM
Surr: 4-Bromofluorobenzene	124	70-130	%Rec	1	1/4/2023 1:01:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	2500	150	mg/Kg	50	1/5/2023 9:03:31 AM

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

Qualifiers:

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

ple pH Not In Range
outing Limit Page 9 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301062**

12-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72451 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72451 RunNo: 93717

Prep Date: 1/4/2023 Analysis Date: 1/4/2023 SeqNo: 3382844 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72451 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72451 RunNo: 93717

Prep Date: 1/4/2023 Analysis Date: 1/4/2023 SeqNo: 3382845 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.8 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2301062**

12-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2301062-001AMS	SampType: M:	SD	Tes	tCode: EF	A Method	8015M/D: Die	sel Range	Organics	
Client ID: WS22-82 0-4ft	Batch ID: 72	438	F	RunNo: 93	3740				
Prep Date: 1/4/2023	Analysis Date: 1/	5/2023	5	SeqNo: 33	884560	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40 14	46.86	0	86.1	36.1	154	0	33.9	
Surr: DNOP	5.1	4.686		109	21	129	0	0	
Sample ID: LCS-72438	SampType: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 72	438	F	RunNo: 93	3740				
Prep Date: 1/4/2023	Analysis Date: 1/	5/2023	S	SeqNo: 33	884609	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43 15	50.00	0	87.0	64.4	127			
Surr: DNOP	5.8	5.000		115	21	129			
Sample ID: LCS-72455	SampType: LC	ss —	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	·
Client ID: LCSS	Batch ID: 72	455	F	RunNo: 93	3740				
Prep Date: 1/4/2023	Analysis Date: 1/	/5/2023	5	SeqNo: 33	884611	Units: %Red	;		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.9	5.000		139	21	129			S
Sample ID: LCS-72457	SampType: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 72	457	F	RunNo: 93	3740				
Prep Date: 1/4/2023	Analysis Date: 1/	6/2023	5	SeqNo: 33	884612	Units: %Red	:		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	6.7	5.000		134	21	129			S
Sample ID: MB-72438	SampType: MI	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 72	438	F	RunNo: 93	3740				
Prep Date: 1/4/2023	Analysis Date: 1/	5/2023	S	SeqNo: 33	884613	Units: mg/K	g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 15								
Motor Oil Range Organics (MRO)	ND 50								
Surr: DNOP	11	10.00		111	21	129			
Control of Dr. M.D. 70455	SampType: MI	DI 1/2	Tos	tCada: FF	Nothed A	901EM/D. Dia	cal Danga	Organica	
Sample ID: MB-72455	Samp rype. IVI	DLN	169	Code. Er	A wethou	8015M/D: Die	sei Kange	Organics	

Qualifiers:

Prep Date:

Surr: DNOP

Analyte

Value exceeds Maximum Contaminant Level.

1/4/2023

- 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

Analysis Date: 1/5/2023

Result

12

B Analyte detected in the associated Method Blank

124

SeqNo: 3384615

LowLimit

21

Units: %Rec

HighLimit

129

%RPD

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

SPK value SPK Ref Val %REC

10.00

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RPDLimit

Qual

Hall Environmental Analysis Laboratory, Inc.

5.0

WO#: **2301062**

12-Jan-23

•

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72457 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 72457 RunNo: 93740

Prep Date: 1/4/2023 Analysis Date: 1/6/2023 SeqNo: 3384616 Units: %Rec

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

Surr: DNOP 13 10.00 128 21 129

5.000

Sample ID: 2301062-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: WS22-82 0-4ft Batch ID: 72438 RunNo: 93738 Prep Date: 1/4/2023 Analysis Date: 1/5/2023 SeqNo: 3386302 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result **PQL** LowLimit Qual Diesel Range Organics (DRO) 53 15 50.00 0 106 36.1 154

99.8

21

129

Qualifiers:

Surr: DNOP

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 Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2301062**

12-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **R93712** RunNo: **93712**

Prep Date: Analysis Date: 1/4/2023 SeqNo: 3382615 Units: mq/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 107 37.7 212

Sample ID: 2301062-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: WS22-82 0-4ft Batch ID: R93712 RunNo: 93712

Prep Date: Analysis Date: 1/4/2023 SeqNo: 3382637 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 20.36 0 101 70 Surr: BFB 1900 8143 228 37.7 212 S

Sample ID: 2301062-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: WS22-82 0-4ft Batch ID: R93712 RunNo: 93712

Prep Date: Analysis Date: 1/4/2023 SeqNo: 3382638 Units: mg/Kg

HighLimit %RPD Result SPK value SPK Ref Val %REC **RPDLimit** Qual Analyte POI LowLimit Gasoline Range Organics (GRO) 20 4.1 20.36 97.7 70 130 3.42 20 Surr: BFB S 1800 814.3 223 37.7 212 0 0

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS Batch ID: R93712 RunNo: 93712

Prep Date: Analysis Date: 1/4/2023 SeqNo: 3382768 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 25.00 105 72.3 137 Surr: BFB 2300 1000 232 37.7 212 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2301062**

12-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 100ng btex Ics	SampType: LCS			Tes						
Client ID: LCSS	Batch ID: BS93712			RunNo: 93712						
Prep Date:	Analysis Date: 1/4/2023			5	SeqNo: 3382691			Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.025	1.000	0	115	80	120			
Toluene	1.2	0.050	1.000	0	118	80	120			
Ethylbenzene	1.2	0.050	1.000	0	118	80	120			
Xylenes, Total	3.5	0.10	3.000	0	118	80	120			
Surr: 4-Bromofluorobenzene	1.2		1.000		124	70	130			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: BS93712		RunNo: 93712							
Prep Date:	Analysis Date: 1/4/2023		SeqNo: 3382692			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.2		1.000		124	70	130			

Sample ID: 2301062-002ams	Samp	SampType: MS			TestCode: EPA Method 8021B: Volatiles					
Client ID: BS22-04 4ft	Batc	Batch ID: BS93712			RunNo: 93712					
Prep Date:	Analysis I	Date: 1/4	4/2023	5	SeqNo: 3	382713	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.022	0.8666	0	110	68.8	120			
Toluene	0.98	0.043	0.8666	0	113	73.6	124			
Ethylbenzene	0.99	0.043	0.8666	0	114	72.7	129			
Xylenes, Total	3.0	0.087	2.600	0	114	75.7	126			
Surr: 4-Bromofluorobenzene	1.0		0.8666		120	70	130			

Sample ID: 2301062-002amsd	Samp ⁻	SampType: MSD			tCode: EF					
Client ID: BS22-04 4ft	Batc	Batch ID: BS93712			RunNo: 93712					
Prep Date:	Analysis [Date: 1/4	4/2023	5	SeqNo: 3	382714	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.022	0.8666	0	105	68.8	120	5.35	20	
Toluene	0.93	0.043	0.8666	0	108	73.6	124	4.81	20	
Ethylbenzene	0.94	0.043	0.8666	0	109	72.7	129	4.65	20	
Xylenes, Total	2.8	0.087	2.600	0	109	75.7	126	4.78	20	
Surr: 4-Bromofluorobenzene	1.0		0.8666		116	70	130	0	0	

Qualifiers:

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

Page 14 of 14



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

	ertex Resources ervices, Inc.	Work Order Num	ber: 2301062		RcptNo: 1	
Received By: T	racy Casarrubias	1/4/2023 7:15:00 A	м			
Completed By: T	racy Casarrubias	1/4/2023 7:41:01 A	М			
Reviewed By:	Re 1/4/23					
Chain of Custoo	<u>dy</u>					
1. Is Chain of Custo	ody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the san	nple delivered?		Courier			
Log In 3. Was an attempt in	made to cool the sample	s?	Yes 🗹	No 🗆	na 🗆	
4. Were all samples	received at a temperatu	re of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆	
5. Sample(s) in prop	per container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample	volume for indicated tes	t(s)?	Yes 🗹	No 🗌		
7. Are samples (exc	ept VOA and ONG) prop	erly preserved?	Yes 🗹	No 🗌		
8. Was preservative	added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at least	1 vial with headspace <	1/4" for AQ VOA?	Yes 🗌	No 🗆	NA 🗹	
10. Were any sample	containers received bro	ken?	Yes 📙	No 🗹	# of preserved	
11. Does paperwork r	natch bottle labels? es on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH: (<2 or >1	2 unless noted)
	ectly identified on Chain	of Custody?	Yes 🗹	No 🗆	Adjusted?	
13. Is it clear what an	alyses were requested?		Yes 🗹	No 🗆		
14. Were all holding t (If no, notify custo	imes able to be met? mer for authorization.)		Yes 🗹	No 🗆	Checked by: J	1/4/23
Special Handling	(if applicable)					
15. Was client notifie	d of all discrepancies wi	th this order?	Yes 🗌	No 🗌	NA 🗹	
Person Not	ified:	Date				
By Whom:		Via:	eMail P	hone 🗌 Fax	In Person	
Regarding: Client Instru	Infine					
16. Additional remar						
17. Cooler Informat	ion Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
1 4.		′es				

Standard	
Novtex Project Name: ER Project Name: Project Name: Project Name: Project Manager:	ARUSH ANALYSIS LABORATORY
Project #: Date All Validation Project #: Az Compliance Project #: Az Compliance Project Manager: Countainer Rayes North	计
Project #: Class Az Compliance Project Manager:	Batt
Project Manager: Project Man	Tel. 505-345-3975
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Level 4 (Full Validation) Diction Dictio	(O)
Level 4 (Full Validation) Not Sampler: **Convolved by By Content Sampler: **Convolved by By Content Sampler: **Content Samp	OT'S
Dother Sample Name Sample: *Container Preservative HEAL No. Ph. Soil 8572-60 ULT Soil 8572-60 ULT	8.8 B.8 SDG
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Time Matrix Sample Name Type and # Type 2201062 10 10:00 501 1 10:	HEAL No.
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Received by OCD: 4/20/2023 9:16:46 AM

Matrix Sample Name Type and # Type and Type and # Type and	Chain-of-Custody Record	Standard & Rush 24hrs	HALL ENVIRONMENTAL
Charle C			www.hallenvironmental.com
Project Manager: Project Man	Mailing Address: On FILE	yton EK	
Chance Discovered by: Container Freehead # Type and Typ	-	6	SAMPLE SAMPLES
Project Manager: Charace Dixon Container Container Container Preservative HEA. No. Container Preservative Preservative HEA. No. Container Preservative HEA. No. Container Preservative HEA. No. Container Preservative Preservative HEA. No. Container Container HEA. No. Conta	Phone #:	dot-000105-0-	Analysis Request
Chance C	email or Fax#:	Project Manager:	*O9
Sampler: F. Rodrigueton Sampler: F. Rodr	ige:	Chance	O [†] ' & CB,
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Released to Imaging: 5/1/2023 9:59:25 AM



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

January 17, 2023

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

FAX:

RE: Dayton ER Batterey OrderNo.: 2301377

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/11/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2301377

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/17/2023

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS23-135

 Project:
 Dayton ER Batterey
 Collection Date: 1/9/2023 9:15:00 AM

 Lab ID:
 2301377-001
 Matrix: SOIL
 Received Date: 1/11/2023 7:35:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	1/13/2023 1:03:10 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/13/2023 1:03:10 AM
Surr: DNOP	95.8	69-147	%Rec	1	1/13/2023 1:03:10 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/12/2023 8:28:18 PM
Surr: BFB	98.7	37.7-212	%Rec	1	1/12/2023 8:28:18 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	1/12/2023 8:28:18 PM
Toluene	ND	0.048	mg/Kg	1	1/12/2023 8:28:18 PM
Ethylbenzene	ND	0.048	mg/Kg	1	1/12/2023 8:28:18 PM
Xylenes, Total	ND	0.097	mg/Kg	1	1/12/2023 8:28:18 PM
Surr: 4-Bromofluorobenzene	95.8	70-130	%Rec	1	1/12/2023 8:28:18 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	350	60	mg/Kg	20	1/12/2023 12:45:23 PM

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

Qualifiers:

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

Page 1 of 6

Analytical Report

Lab Order **2301377**Date Reported: **1/17/2023**

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS23-136

 Project:
 Dayton ER Batterey
 Collection Date: 1/9/2023 9:45:00 AM

 Lab ID:
 2301377-002
 Matrix: SOIL
 Received Date: 1/11/2023 7:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	1/13/2023 1:13:43 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/13/2023 1:13:43 AM
Surr: DNOP	89.0	69-147	%Rec	1	1/13/2023 1:13:43 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	1/12/2023 8:51:42 PM
Surr: BFB	102	37.7-212	%Rec	1	1/12/2023 8:51:42 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	1/12/2023 8:51:42 PM
Toluene	ND	0.050	mg/Kg	1	1/12/2023 8:51:42 PM
Ethylbenzene	ND	0.050	mg/Kg	1	1/12/2023 8:51:42 PM
Xylenes, Total	ND	0.10	mg/Kg	1	1/12/2023 8:51:42 PM
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	1/12/2023 8:51:42 PM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	520	60	mg/Kg	20	1/12/2023 1:22:37 PM

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

Qualifiers:

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

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

2301377 17-Jan-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Batterey

Sample ID: MB-72586 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72586 RunNo: 93916

Prep Date: 1/12/2023 Analysis Date: 1/12/2023 SeqNo: 3390974 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72586 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72586 RunNo: 93916

Prep Date: 1/12/2023 Analysis Date: 1/12/2023 SeqNo: 3390975 Units: mg/Kg

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

Chloride 14 15.00 94.4 90 110

Qualifiers:

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

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

2301377 17-Jan-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Batterey

Sample ID: LCS-72585 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 72585 RunNo: 93911

Prep Date: 1/12/2023 Analysis Date: 1/12/2023 SeqNo: 3390353 Units: %Rec

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

Surr: DNOP 5.6 5.000 111 69 147

Sample ID: MB-72585 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 72585 RunNo: 93911 Prep Date: 1/12/2023 Analysis Date: 1/12/2023 SeqNo: 3390355 Units: %Rec %REC %RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val LowLimit HighLimit Qual

Surr: DNOP 11 10.00 106 69 147

Sample ID: LCS-72584 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 72584 Prep Date: Analysis Date: 1/12/2023 SeqNo: 3391719 Units: mg/Kg 1/11/2023 SPK value SPK Ref Val Analyte Result POI %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 41 10 0 82.0 61.9 50.00 Surr: DNOP 5.3 5.000 106 69 147

Sample ID: MB-72584 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 72584 RunNo: 93911 Units: mg/Kg Prep Date: 1/11/2023 Analysis Date: 1/12/2023 SeqNo: 3391724 %REC %RPD Analyte Result PQL SPK value SPK Ref Val LowLimit HighLimit **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50

otor Oil Range Organics (MRO) ND 50
Surr: DNOP 11 10.00 113 69 147

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

2301377 17-Jan-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Batterey

Sample ID: Ics-72577 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 72577 RunNo: 93928 Units: mg/Kg Prep Date: 1/11/2023 Analysis Date: 1/12/2023 SeqNo: 3391322 PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Gasoline Range Organics (GRO) 24 5.0 25.00 0 95.6 72.3 137 Surr: BFB 2000 1000 195 37.7 212

 Sample ID:
 mb-72577
 SampType:
 MBLK
 TestCode:
 EPA Method 8015D:
 Gasoline Range

 Client ID:
 PBS
 Batch ID:
 72577
 RunNo:
 93928

 Prep Date:
 1/11/2023
 Analysis Date:
 1/12/2023
 SeqNo:
 3391323
 Units:
 mg/Kg

SPK value SPK Ref Val %REC

LowLimit

HighLimit

%RPD

RPDLimit

Qual

Analyte Result PQL
Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 102 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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 2301377 17-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Batterey

Sample ID: LCS-72577	Samp	Гуре: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	h ID: 725	577	RunNo: 93928						
Prep Date: 1/11/2023	Analysis [Date: 1/	12/2023	SeqNo: 3391519			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.2	80	120			
Toluene	0.97	0.050	1.000	0	96.9	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.9	70	130			

Sample ID: mb-72577	Sample ID: mb-72577 SampType: MBLK					TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	RunNo: 93928											
Prep Date: 1/11/2023	SeqNo: 3391520 Units: mg/Kg											
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	ND	0.025										
Toluene	ND	0.050										
Ethylbenzene	ND	0.050										
Xylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	1.0		1.000		99.5	70	130					

Qualifiers:

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

Page 6 of 6



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

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Standard	email or Fax#:	Project Manager:	†O\$
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1-423 4:15 soil WS23-186		5.8-8-58 6	15D ethe y 83 8 Md 3r, 1 3r, 1
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1-9.23 9:15 soil W523-136 = 4002 ICC 0001 VV	Time Matrix	Type (A35)	908 809 Aq BS 820
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10/10 1/10 1/10 10 10 10 10 10 10 10 10 10 10 10 10 1	Refinquished by:	Jia Com Date	2ach
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

January 23, 2023

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

FAX:

RE: Dayton ER Battery OrderNo.: 2301630

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/18/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 1/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WS23-157 0-4ft

 Project:
 Dayton ER Battery
 Collection Date: 1/16/2023 12:00:00 PM

 Lab ID:
 2301630-001
 Matrix: MEOH (SOIL)
 Received Date: 1/18/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	1/18/2023 10:50:34 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	1/18/2023 10:50:34 AM
Surr: DNOP	108	69-147	%Rec	1	1/18/2023 10:50:34 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	1/18/2023 11:55:54 AM
Surr: BFB	102	37.7-212	%Rec	1	1/18/2023 11:55:54 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.019	mg/Kg	1	1/18/2023 11:55:54 AM
Toluene	ND	0.037	mg/Kg	1	1/18/2023 11:55:54 AM
Ethylbenzene	ND	0.037	mg/Kg	1	1/18/2023 11:55:54 AM
Xylenes, Total	ND	0.075	mg/Kg	1	1/18/2023 11:55:54 AM
Surr: 4-Bromofluorobenzene	94.5	70-130	%Rec	1	1/18/2023 11:55:54 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	1000	60	mg/Kg	20	1/18/2023 11:50:44 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 6

Date Reported: 1/23/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS23-158 0-4ft

 Project:
 Dayton ER Battery
 Collection Date: 1/16/2023 12:05:00 PM

 Lab ID:
 2301630-002
 Matrix: MEOH (SOIL)
 Received Date: 1/18/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	1/18/2023 11:22:06 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/18/2023 11:22:06 AM
Surr: DNOP	102	69-147	%Rec	1	1/18/2023 11:22:06 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.0	mg/Kg	1	1/18/2023 12:19:18 PM
Surr: BFB	105	37.7-212	%Rec	1	1/18/2023 12:19:18 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.020	mg/Kg	1	1/18/2023 12:19:18 PM
Toluene	ND	0.040	mg/Kg	1	1/18/2023 12:19:18 PM
Ethylbenzene	ND	0.040	mg/Kg	1	1/18/2023 12:19:18 PM
Xylenes, Total	ND	0.080	mg/Kg	1	1/18/2023 12:19:18 PM
Surr: 4-Bromofluorobenzene	96.5	70-130	%Rec	1	1/18/2023 12:19:18 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	930	60	mg/Kg	20	1/19/2023 12:03:04 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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301630**

23-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72686 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72686 RunNo: 94056

Prep Date: 1/18/2023 Analysis Date: 1/18/2023 SeqNo: 3395603 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72686 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72686 RunNo: 94056

Prep Date: 1/18/2023 Analysis Date: 1/18/2023 SeqNo: 3395604 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.4 90 110

Qualifiers:

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

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

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WO#: **2301630 23-Jan-23**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2301630-001AM	SampType: M	S	Tes	tCode: EP	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: WS23-157 0-4ft	Batch ID: 72	678	F	RunNo: 9 4	1027				
Prep Date: 1/18/2023	Analysis Date: 1	/18/2023	9	SeqNo: 33	394465	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47 9.9	49.36	0	95.8	54.2	135			
Surr: DNOP	5.6	4.936		113	69	147			
Sample ID: 2301630-001AM	SD SampType: M	SD	Tes	tCode: EP	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: WS23-157 0-4ft	Batch ID: 72	678	F	RunNo: 9 4	1027				
Prep Date: 1/18/2023	Analysis Date: 1	/18/2023	9	SeqNo: 33	394466	Units: mg/K	(g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47 9.7	48.50	0	96.1	54.2	135	1.42	29.2	
Surr: DNOP	5.6	4.850		116	69	147	0	0	
Sample ID: LCS-72678	SampType: L (cs	Tes	tCode: EP	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch ID: 72	678	F	RunNo: 9 4	1027				
Dran Data: 4/40/2022			,		004400	1 lastes			
Prep Date: 1/18/2023	Analysis Date: 1	/18/2023	:	SeqNo: 33	394469	Units: mg/K	g		

Sample ID: MB-72678	SampT	уре: МЕ	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch	n ID: 72 6	678	F	RunNo: 94	4027				
Prep Date: 1/18/2023	Analysis Date: 1/18/2023			SeqNo: 3394471			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.0	69	147			

89.0

108

61.9

69

130

147

50.00

5.000

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 Quantitative Limit

Diesel Range Organics (DRO)

Surr: DNOP

- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

2301630

23-Jan-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

SampType: MS TestCode: EPA Method 8					8015D: Gaso	line Range	•		
Batcl	n ID: GS	94015	RunNo: 94015						
Analysis D	Date: 1/ *	18/2023	SeqNo: 3394926 Units: mg/Kg				(g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
17	3.7	18.69	0	93.6	70	130			
1500		747.4		197	37.7	212			
CompT	SampType: MSD TestCode: EPA Method 8015D: Gasoline Range								
Sampi	ype. IVI S	5D	res	stCode: El	PA Method	8015D: Gaso	line Range	!	
•	n ID: GS			RunNo: 9 4		8015D: Gaso	line Range	1	
•	n ID: GS	94015	F		4015	Units: mg/K	J	•	
Batcl	n ID: GS	94015	F	RunNo: 9	4015		J	RPDLimit	Qual
Batcl Analysis D	n ID: GS Date: 1/	94015 18/2023	F	RunNo: 94	4015 394927	Units: mg/K	(g		Qual
	Batcl Analysis D Result 17 1500	Batch ID: GS Analysis Date: 1/ Result PQL 17 3.7 1500	Batch ID: GS94015 Analysis Date: 1/18/2023 Result PQL SPK value 17 3.7 18.69 1500 747.4	Batch ID: GS94015 Analysis Date: 1/18/2023 Result PQL SPK value SPK Ref Val 17 3.7 18.69 0 1500 747.4	Batch ID: GS94015 RunNo: 9 Analysis Date: 1/18/2023 SeqNo: 3 Result PQL SPK value SPK Ref Val %REC 17 3.7 18.69 0 93.6 1500 747.4 197	Batch ID: GS94015 RunNo: 94015 Analysis Date: 1/18/2023 SeqNo: 3394926 Result PQL SPK value SPK Ref Val %REC LowLimit 17 3.7 18.69 0 93.6 70 1500 747.4 197 37.7	Batch ID: GS94015 RunNo: 94015 Analysis Date: 1/18/2023 SeqNo: 3394926 Units: mg/K Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit 17 3.7 18.69 0 93.6 70 130 1500 747.4 197 37.7 212	Batch ID: GS94015 RunNo: 94015 Analysis Date: 1/18/2023 SeqNo: 3394926 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD 17 3.7 18.69 0 93.6 70 130 1500 747.4 197 37.7 212	Batch ID: GS94015 RunNo: 94015 Analysis Date: 1/18/2023 SeqNo: 3394926 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit 17 3.7 18.69 0 93.6 70 130 1500 747.4 197 37.7 212

Sample ID: 2.5ug gro lcs	SampT	ype: LC	S	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch	ID: GS	94015	RunNo: 94015						
Prep Date:	Analysis D	ate: 1/	18/2023	SeqNo: 3396452			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.6	72.3	137			
Surr: BFB	2000		1000		196	37.7	212			

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: GS94015			F	RunNo: 94	4015				
Prep Date:	Analysis D	Date: 1/	18/2023	9	SeqNo: 3	398036	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: BEB	1000		1000		102	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 Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301630**

23-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2301630-002ams	Samp	Гуре: МЅ	•	Tes						
Client ID: WS23-158 0-4ft	Batc	h ID: BS	94015	F	RunNo: 94	4015				
Prep Date:	Analysis Date: 1/18/2023			SeqNo: 3395022			Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.56	0.020	0.8006	0	69.7	68.8	120			
Toluene	0.59	0.040	0.8006	0	73.5	73.6	124			S
Ethylbenzene	0.60	0.040	0.8006	0	74.8	72.7	129			
Xylenes, Total	1.8	0.080	2.402	0	74.9	75.7	126			S
Surr: 4-Bromofluorobenzene	0.79		0.8006		98.7	70	130			

Sample ID: 2301630-002amsd	SampT	ype: MS	D	Tes	tCode: EF	PA Method	8021B: Volati	les			
Client ID: WS23-158 0-4ft	Batcl	n ID: BS	94015	F	RunNo: 94	4 015					
Prep Date:	Analysis D	Date: 1/ 1	18/2023	SeqNo: 3395023			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.56	0.020	0.8006	0	70.3	68.8	120	0.929	20		
Toluene	0.60	0.040	0.8006	0	74.4	73.6	124	1.20	20		
Ethylbenzene	0.61	0.040	0.8006	0	76.1	72.7	129	1.72	20		
Xylenes, Total	1.8	0.080	2.402	0	75.7	75.7	126	1.17	20		
Surr: 4-Bromofluorobenzene	0.80		0.8006		100	70	130	0	0		

Sample ID: 100ng btex lcs-ii	mple ID: 100ng btex Ics-ii SampType: LCS					TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	h ID: BS	94015	F	RunNo: 94	4015						
Prep Date:	Analysis [Date: 1/	te: 1/18/2023 SeqNo			eqNo: 3396465 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.91	0.025	1.000	0	91.2	80	120					
Toluene	0.96	0.050	1.000	0	96.5	80	120					
Ethylbenzene	0.97	0.050	1.000	0	97.1	80	120					
Xylenes, Total	2.9	0.10	3.000	0	97.4	80	120					
Surr: 4-Bromofluorobenzene	0.98		1.000		98.1	70	130					

Sample ID: mb	Samp	Гуре: МЕ	BLK	Tes						
Client ID: PBS	Batc	h ID: BS	94015	F	RunNo: 94	4015				
Prep Date:	Analysis [Date: 1/	18/2023	5	SeqNo: 33	398037	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	0.94		1.000		94.2	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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

EL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

Client Name:	Vertex Rese Services, In		Work	Order Number	er: 2301630		RcptNo	: 1
Received By:	Juan Roja		1/18/20	0720 23 7.30.0 0 A	M 1,18'	13 Generals	a.	
Completed By:	Cheyenne	Cason	1/18/20	23 7:43:24 A	М	Chenl		
Reviewed By:	on VI	8/23						
Chain of Cust	tody							
1. Is Chain of Cu	stody compl	ete?			Yes 🗌	No 🗹	Not Present	
2. How was the s	sample delive	ered?			<u>Courier</u>			
<u>Log In</u>								
3. Was an attem	pt made to c	ool the samp	les?		Yes 🗹	No 🗌	NA 🗌	
4. Were all samp	les received	at a tempera	ture of >0° C	to 6.0°C	Yes 🗹	No 🗆	NA 🗆	
5. Sample(s) in p	roper contai	ner(s)?			Yes 🗹	No 🗆		
6. Sufficient same	ole volume fo	or indicated te	est(s)?		Yes 🗹	No 🗆		
7. Are samples (e	except VOA a	and ONG) pro	perly preserve	ed?	Yes 🗹	No 🗌		
8. Was preservat	ive added to	bottles?			Yes 🗌	No 🗹	na 🗆	
9. Received at lea	ast 1 vial with	n headspace	<1/4" for AQ \	OA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sam	ple containe	rs received b	roken?		Yes 🗌	No 🗹	# of preserved	1
11. Does paperwor (Note discrepa)		Yes 🔽	No 🗆	bottles checked for pH: (<2 or	>12 unless noted)
12. Are matrices co	orrectly ident	tified on Chai	n of Custody?		Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what	analyses we	ere requested	?		Yes 🗹	No 🗌		41
14. Were all holdin (If no, notify cu	-				Yes 🗹	No 🗌	Checked by:	JA 1-18-23
Special Handli		·						
15. Was client not			vith this order	?	Yes 🗌	No 🗌	NA 🗹	
Person I	Notified:	***************************************		Date:				
By Who	m: 🚪			Via:	eMail] Phone [] Fax	☐ In Person	
Regardir Client In	ng: structions:							
16. Additional ren								
	formation no	t complete						
17. Cooler Inform		. Joinpicto.						
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By		
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Chain-of-Custody Record	Turn-Around Time:	HALL ENVIRONMENTAL
Client: TO LEGUNOS	□ Standard #_Rush 74 WV	4
Mailing Address:	Project Name: - Soutton EP Batter	www.hallenvironmental.com 4901 Hawkins NE - Albuquerque, NM 87109
	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #:	10E-00113-01	Analysis Requ
email or Fax#:	Project Manager:	°OS
QA/QC Package: □ Standard □ Level 4 (Full Validation)	Chance Diton	DO"
☐ Az Cor	Sampler: Ferrando (Cobrige C	7 D V D D V C D D V C D D V C D D D D D D
□ NELAC □ Other □ FDD (Twe)	olers:	(GE)
	Cooler Temp(including CF): 7 of 16.123.0 (°C)	estic Metho by 83 8 Me Br, I Scm
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Date: Time: Relinquished by:	Received by: Via: Daye Time	CC: Chance Diton a terrandof
₽ B	N	
MINE MED LIGHTANIAN	may be subcontracted to other according aboratories. This serves as notice of this	s possibility. Any sub-contracted data will be clearly notated on the analytical report.

Released to Imaging: 3/1/2023 9:59:25 AM



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

January 24, 2023

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

FAX:

RE: Dayton ER Battery OrderNo.: 2301707

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 3 sample(s) on 1/19/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 1/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS23-163 0-4ft

 Project:
 Dayton ER Battery
 Collection Date: 1/17/2023 11:00:00 AM

 Lab ID:
 2301707-001
 Matrix: MEOH (SOIL)
 Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	1/19/2023 2:22:46 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/19/2023 2:22:46 PM
Surr: DNOP	113	69-147	%Rec	1	1/19/2023 2:22:46 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	1/19/2023 11:25:22 AM
Surr: BFB	102	37.7-212	%Rec	1	1/19/2023 11:25:22 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.021	mg/Kg	1	1/19/2023 11:25:22 AM
Toluene	ND	0.043	mg/Kg	1	1/19/2023 11:25:22 AM
Ethylbenzene	ND	0.043	mg/Kg	1	1/19/2023 11:25:22 AM
Xylenes, Total	ND	0.085	mg/Kg	1	1/19/2023 11:25:22 AM
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	1/19/2023 11:25:22 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	180	60	mg/Kg	20	1/19/2023 8:38:24 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

H Holding times for preparation or analysis exceeded

 $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 7

Date Reported: 1/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WS23-165 0-4ft

 Project:
 Dayton ER Battery
 Collection Date: 1/17/2023 11:05:00 AM

 Lab ID:
 2301707-002
 Matrix: MEOH (SOIL)
 Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	1/19/2023 5:18:10 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	1/19/2023 5:18:10 PM
Surr: DNOP	109	69-147	%Rec	1	1/19/2023 5:18:10 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	1/19/2023 11:48:46 AM
Surr: BFB	102	37.7-212	%Rec	1	1/19/2023 11:48:46 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	1/19/2023 11:48:46 AM
Toluene	ND	0.047	mg/Kg	1	1/19/2023 11:48:46 AM
Ethylbenzene	ND	0.047	mg/Kg	1	1/19/2023 11:48:46 AM
Xylenes, Total	ND	0.093	mg/Kg	1	1/19/2023 11:48:46 AM
Surr: 4-Bromofluorobenzene	97.2	70-130	%Rec	1	1/19/2023 11:48:46 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	460	60	mg/Kg	20	1/19/2023 8:50:46 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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 7

Date Reported: 1/24/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WS23-166 0-4ft

 Project:
 Dayton ER Battery
 Collection Date: 1/17/2023 11:10:00 AM

 Lab ID:
 2301707-003
 Matrix: MEOH (SOIL)
 Received Date: 1/19/2023 7:20:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	1/19/2023 5:28:43 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/19/2023 5:28:43 PM
Surr: DNOP	106	69-147	%Rec	1	1/19/2023 5:28:43 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.5	mg/Kg	1	1/19/2023 12:12:12 PM
Surr: BFB	101	37.7-212	%Rec	1	1/19/2023 12:12:12 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.022	mg/Kg	1	1/19/2023 12:12:12 PM
Toluene	ND	0.045	mg/Kg	1	1/19/2023 12:12:12 PM
Ethylbenzene	ND	0.045	mg/Kg	1	1/19/2023 12:12:12 PM
Xylenes, Total	ND	0.089	mg/Kg	1	1/19/2023 12:12:12 PM
Surr: 4-Bromofluorobenzene	95.1	70-130	%Rec	1	1/19/2023 12:12:12 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	430	60	mg/Kg	20	1/19/2023 9:03:07 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 7

Hall Environmental Analysis Laboratory, Inc.

2301707 24-Jan-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72723 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72723 RunNo: 94086

Prep Date: 1/19/2023 Analysis Date: 1/19/2023 SeqNo: 3396840 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72723 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72723 RunNo: 94086

Prep Date: 1/19/2023 Analysis Date: 1/19/2023 SeqNo: 3396841 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.6 90 110

Qualifiers:

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

Page 4 of 7

Hall Environmental Analysis Laboratory, Inc.

2301707 24-Jan-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-72705	Samp1	ype: LC	S	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	Organics		
Client ID: LCSS	Batcl	n ID: 72 '	705	F	RunNo: 94	4064					
Prep Date: 1/19/2023	Analysis D)ate: 1/	19/2023	;	SeqNo: 3:	395764	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	43	10	50.00	0	85.4	61.9	130				
Surr: DNOP	5.4		5.000		109	69	147				
Sample ID: MB-72705	Samp1	уре: МЕ	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batcl	n ID: 72 '	705	F	RunNo: 94	4064					
Prep Date: 1/19/2023	Analysis D)ate: 1/	19/2023	;	SeqNo: 3	395768	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	ND	10									
Motor Oil Range Organics (MRO)	ND	50									
Surr: DNOP	10		10.00		104	69	147				
Sample ID: 2301707-001AMS	SampT	ype: M \$	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	Organics		
Client ID: WS23-163 0-4ft	Batcl	n ID: 72	705	F	RunNo: 94	4064					
Prep Date: 1/19/2023	Analysis D)ate: 1/	19/2023	;	SeqNo: 3	396940	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
0 (000)	45	10	49.90	0	89.9	54.2	135				
Diesel Range Organics (DRO)											

Sample ID: 2	2301707-001AMSD	SampT	ype: MS	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: \	WS23-163 0-4ft	Batch	n ID: 72 7	705	F	RunNo: 94	4064				
Prep Date:	1/19/2023	Analysis D	Date: 1/	19/2023	5	SeqNo: 33	396941	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Or	rganics (DRO)	46	9.8	48.92	0	93.3	54.2	135	1.77	29.2	
Surr: DNOP		5.4		4.892		111	69	147	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 7

Hall Environmental Analysis Laboratory, Inc.

1700

WO#: **2301707 24-Jan-23**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2310707-001ams	Samp ⁻	Гуре: МЅ	3	Tes	tCode: EF	PA Method	8015D: Gaso	line Range	!	
Client ID: BatchQC	Batc	h ID: R9	4070	F	RunNo: 94	4070				
Prep Date:	Analysis [Date: 1/	19/2023	5	SeqNo: 3	395917	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	4.3	21.31	0	93.7	70	130			
Surr: BFB	1700		852.5		196	37.7	212			
Sample ID: 2310707-001amsd	Samp ⁻	Гуре: МЅ	SD	Tes	tCode: EF	PA Method	8015D: Gaso	line Range		
Client ID: BatchQC	Batc	h ID: R9	4070	F	RunNo: 94	4070				
Prep Date:	Analysis [Date: 1/	19/2023	5	SeqNo: 3	395918	Units: mg/K	(g		
A a l. 4 a	D 1	DOL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Analyte	Result	PQL	SPK value	SPK Rei Vai	/orle	LOWLITTIL	riigiiLiiiii	70KFD	KEDLIIIII	Quai

Sample ID: 2.5ug gro lcs	SampT	ype: LC	s	TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batcl	n ID: R9	4070	RunNo: 94070						
Prep Date:	Analysis D	Date: 1/	19/2023	5	SeqNo: 33	396466	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	20	5.0	25.00	0	81.6	72.3	137			
Surr: BFB	1800		1000		181	37.7	212			

200

37.7

212

0

0

852.5

Qualifiers:

Surr: BFB

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

Page 6 of 7

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301707**

24-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2310707-002ams	Samp ⁻	SampType: MS TestCode:				EPA Method 8021B: Volatiles						
Client ID: BatchQC	Batc	h ID: BS	94070	RunNo: 94070								
Prep Date:	Analysis [Date: 1/	19/2023	5	SeqNo: 33	395930	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.73	0.023	0.9311	0	78.6	68.8	120					
Toluene	0.78	0.047	0.9311	0	83.5	73.6	124					
Ethylbenzene	0.79	0.047	0.9311	0	84.3	72.7	129					
Xylenes, Total	2.4	0.093	2.793	0	84.7	75.7	126					
Surr: 4-Bromofluorobenzene	0.92		0.9311		98.5	70	130					

Sample ID: 2310707-002amsd	SampT	ype: MS	D	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: BatchQC	Batch	Batch ID: BS94070 RunNo: 94070								
Prep Date:	Analysis D	Date: 1/1	19/2023	5	SeqNo: 33	395931	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.023	0.9311	0	95.7	68.8	120	19.6	20	
Toluene	0.96	0.047	0.9311	0	103	73.6	124	21.0	20	R
Ethylbenzene	0.97	0.047	0.9311	0	104	72.7	129	21.1	20	R
Xylenes, Total	2.9	0.093	2.793	0	104	75.7	126	20.9	20	R
Surr: 4-Bromofluorobenzene	0.93		0.9311		99.8	70	130	0	0	

Sample ID: 100ng btex lcs	Samp ¹	Гуре: LC	S	Tes						
Client ID: LCSS	Batc	h ID: BS	94070	F	RunNo: 94	4070				
Prep Date:	Analysis [Date: 1/	19/2023	5	SeqNo: 3	396467	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.025	1.000	0	83.4	80	120			
Toluene	0.89	0.050	1.000	0	89.0	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.8	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.9	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.2	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 Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 7 of 7

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

Client Name:	Vertex Resources Services, Inc.	Work Order Num	ber: 2301707		RcptNo: 1	
Received By:	Juan Rojas	1/19/2023 7:20:00	АМ	Hansig		
Completed By:	Sean Livingston	1/19/2023 7:56:12		Hansy S-Lr	,	
Reviewed By:	J1 1-19-23	110/2020 1.00.12	, uvi	Salvy	Note:	
Chain of Cus	tody		_			
1. Is Chain of C	ustody complete?		Yes 🗹	No 🗌	Not Present	
2. How was the	sample delivered?		<u>Courier</u>			
<u>Log In</u>						
3. Was an attem	npt made to cool the samp	les?	Yes 🔽	No 🗌	NA 🗀	
4. Were all samp	ples received at a tempera	ture of >0° C to 6.0°C	Yes 🗹	No 🗌	NA 🗆	
5. Sample(s) in	proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sam	nple volume for indicated to	est(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) pro	pperly 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	mple containers received b	roken?	Yes	No 🗹	# of preserved	- 10
	ork match bottle labels? ancies on chain of custody)	Yes 🗹	No 🗆	bottles checked for pH:	nless noted)
•	correctly identified on Chai		Yes 🗹	No 🗌	Adjusted?	
13. Is it clear wha	t analyses were requested	?	Yes 🗹	No 🗌		1 4/0
	ng times able to be met? ustomer for authorization.)		Yes 🗹	No 🗆	Checked by: JV	41912
Special Handl	ling (if applicable)					
15. Was client no	otified of all discrepancies	with this order?	Yes 🗌	No 🗆	NA 🗹	
Person	Notified:	Date				
By Who	om:	Via:	☐ eMail ☐ F	Phone 🗌 Fax	In Person	
Regard	ing:					
Client I	nstructions:				<i>3</i> 15.	
16. Additional re	marks:					
17. Cooler Infor		1		-2		
Cooler No		Seal Intact Seal No	Seal Date	Signed By		
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hain-of-Custody Record	Turn-Around Time:	HALL ENVIDONMENTAL
Client: ENG REDUCOS	□ Standard & Rush WHV	4
(X)		llenvironment
Mailing Address:	Loyton Cl Battery	4901 Hawkins NE - Albuquerque, NM 87109
	(Tel. 505-345-3975 Fax 505-345-4107
Phone #:	(ルモーののじてろー 01	Analysis Request
email or Fax#:	Project Manager:	†O9
QA/QC Package:	J. John C.	S'83 SMI
☐ Standard ☐ Level 4 (Full Validation)	() () ()	OF (2)
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	the standard of the boundard of the contract of the	a acceptibility. Any out contracted data will be clearly actated on the analytical report

r necessary, samples submitted to Hall Environme.
Released to Imaging: 5/1/2023 9:59:25 AM



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

January 25, 2023

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

FAX

RE: Dayton ER Battery OrderNo.: 2301814

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 2 sample(s) on 1/21/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

CLIENT: Vertex Resources Services, Inc.

Analytical Report Lab Order 2301814

Date Reported: 1/25/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WS23-176 0-4ft

 Project:
 Dayton ER Battery
 Collection Date: 1/19/2023 1:00:00 PM

 Lab ID:
 2301814-001
 Matrix: SOIL
 Received Date: 1/21/2023 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	1/23/2023 9:47:25 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/23/2023 9:47:25 PM
Surr: DNOP	105	69-147	%Rec	1	1/23/2023 9:47:25 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	1/24/2023 2:28:00 PM
Surr: BFB	92.9	37.7-212	%Rec	1	1/24/2023 2:28:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.022	mg/Kg	1	1/24/2023 2:28:00 PM
Toluene	ND	0.044	mg/Kg	1	1/24/2023 2:28:00 PM
Ethylbenzene	ND	0.044	mg/Kg	1	1/24/2023 2:28:00 PM
Xylenes, Total	ND	0.089	mg/Kg	1	1/24/2023 2:28:00 PM
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	1/24/2023 2:28:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	260	60	mg/Kg	20	1/24/2023 4:15:39 AM

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

Qualifiers:

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

Page 1 of 6

Date Reported: 1/25/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WS23-177 0-4ft

Project: Dayton ER Battery Collection Date: 1/19/2023 1:05:00 PM 2301814-002 Lab ID: Matrix: SOIL Received Date: 1/21/2023 10:30:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	1/23/2023 9:58:01 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	1/23/2023 9:58:01 PM
Surr: DNOP	102	69-147	%Rec	1	1/23/2023 9:58:01 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.4	mg/Kg	1	1/24/2023 2:48:00 PM
Surr: BFB	98.3	37.7-212	%Rec	1	1/24/2023 2:48:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.022	mg/Kg	1	1/24/2023 2:48:00 PM
Toluene	ND	0.044	mg/Kg	1	1/24/2023 2:48:00 PM
Ethylbenzene	ND	0.044	mg/Kg	1	1/24/2023 2:48:00 PM
Xylenes, Total	ND	0.088	mg/Kg	1	1/24/2023 2:48:00 PM
Surr: 4-Bromofluorobenzene	98.3	70-130	%Rec	1	1/24/2023 2:48:00 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	85	60	mg/Kg	20	1/24/2023 4:27:59 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
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301814**

25-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72764 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72764 RunNo: 94135

Prep Date: 1/23/2023 Analysis Date: 1/23/2023 SeqNo: 3399030 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72764 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72764 RunNo: 94135

Prep Date: 1/23/2023 Analysis Date: 1/23/2023 SeqNo: 3399031 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.0 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301814**

25-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2301814-002AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics WS23-177 0-4ft Client ID: Batch ID: 72756 RunNo: 94119 Prep Date: 1/23/2023 Analysis Date: 1/23/2023 SeqNo: 3399131 Units: mg/Kg SPK value SPK Ref Val HighLimit %RPD **RPDLimit** Analyte Result PQL %REC LowLimit Qual Diesel Range Organics (DRO) 40 9.9 49.31 Λ 80.6 54.2 135 Surr: DNOP 5.2 4.931 106 147

Sample ID: 2301814-002AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: WS23-177 0-4ft Batch ID: 72756 RunNo: 94119 Prep Date: 1/23/2023 SeqNo: 3399132 Analysis Date: 1/23/2023 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 29.2 42 48.45 O 87.4 54.2 135 6.34 Surr: DNOP 5.3 4.845 110 69 147 0 0

Sample ID: LCS-72756 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 72756 RunNo: 94119 Prep Date: 1/23/2023 Analysis Date: 1/23/2023 SeqNo: 3399137 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte POI LowLimit Qual Diesel Range Organics (DRO) 44 10 50.00 0 88.6 61.9 130 Surr: DNOP 5.000 5.5 109 69 147

Sample ID: MB-72756 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 72756 RunNo: 94119 Prep Date: 1/23/2023 Analysis Date: 1/23/2023 SeqNo: 3399141 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result LowLimit Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10 10.00 103 147 69

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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301814 25-Jan-23**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2.5ug gro lcs	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batcl	n ID: GS	94152	F	RunNo: 9	4152				
Prep Date:	Analysis D	ate: 1/	24/2023	9	SeqNo: 3	399693	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.6	72.3	137			
Surr: BFB	2200		1000		222	37.7	212			S
Sample ID: mb	SampT	ype: ME	BLK	Tes	tCode: EI	PA Method	8015D: Gaso	line Rang	e	

Client ID: PBS Batch ID: **GS94152** RunNo: 94152 Prep Date: Analysis Date: 1/24/2023 SeqNo: 3399695 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 1000 37.7 1000 103 212

Sample ID: 2301814-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: WS23-176 0-4ft Batch ID: GS94152 RunNo: 94152 Prep Date: Analysis Date: 1/24/2023 SeqNo: 3400150 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte LowLimit Qual Gasoline Range Organics (GRO) 20 4.4 22.16 0 91.7 70 130 Surr: BFB 1800 886.5 209 37.7 212

Sample ID: 2301814-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: WS23-176 0-4ft Batch ID: GS94152 RunNo: 94152 Prep Date: Analysis Date: 1/24/2023 SeqNo: 3400151 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** PQL LowLimit Qual Gasoline Range Organics (GRO) 19 22.16 86.5 70 4.4 130 5.83 20 Surr: BFB 1800 886.5 201 37.7 212 0 0

Qualifiers:

- Value exceeds Maximum Contaminant Level
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301814**

25-Jan-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 100ng btex Ics	Samp1	SampType: LCS TestCode: EPA Method 8					8021B: Volat	iles		
Client ID: LCSS	Batcl	Batch ID: BS94152				RunNo: 94152				
Prep Date:	Analysis D	Date: 1/2	24/2023	9	SeqNo: 3399694			ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.2	80	120			
Toluene	0.94	0.050	1.000	0	93.9	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.9	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: mb	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: BS	94152	F	RunNo: 9	4152				
Prep Date:	Analysis D	oate: 1/	24/2023	8	SeqNo: 3	399696	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	1.0		1.000		105	70	130			

Sample ID: 2301814-002ams	Samp ⁻	Гуре: М\$	3	TestCode: EPA Method 8021B: Volatiles						
Client ID: WS23-177 0-4ft	Batc	h ID: BS	94152	RunNo: 94152						
Prep Date:	Analysis [Date: 1/	24/2023	8	SeqNo: 3	400361	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.022	0.8834	0	87.1	68.8	120			
Toluene	0.81	0.044	0.8834	0	91.3	73.6	124			
Ethylbenzene	0.81	0.044	0.8834	0	91.3	72.7	129			
Xylenes, Total	2.4	0.088	2.650	0	91.1	75.7	126			
Surr: 4-Bromofluorobenzene	0.80		0.8834		90.3	70	130			

Sample ID: 2301814-002amsd	I SampT	ype: MS	SD	TestCode: EPA Method 8021B: Volatiles						
Client ID: WS23-177 0-4ft	Batch	ID: BS	94152	RunNo: 94152						
Prep Date:	Analysis D	ate: 1/2	24/2023	8	SeqNo: 34	400362	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.72	0.022	0.8834	0	81.0	68.8	120	7.29	20	
Toluene	0.75	0.044	0.8834	0	85.0	73.6	124	7.15	20	
Ethylbenzene	0.76	0.044	0.8834	0	85.7	72.7	129	6.28	20	
Xylenes, Total	2.3	0.088	2.650	0	85.3	75.7	126	6.54	20	
Surr: 4-Bromofluorobenzene	0.79		0.8834		89.6	70	130	0	0	

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

Client Name	Vertex Dec		18/	Order North	hor: 2204044		DaniN	- 1
Client Name:	Vertex Reso Services, Inc		vvork	Older Num	ber: 2301814		RcptNo	. 1
Received By:	Juan Rojas	i	1/21/20	23 10:30:00	O AM	Guara J		
Completed By:	Juan Rojas	;	1/21/20	23 10:51:50	6 AM	Hung &		
Reviewed By:	J. 1-2	1-23 1-2 3-23	3-23			·		
Chain of Cus	stody					_	_	
1. Is Chain of C	ustody comple	te?			Yes 🗌	No 🗹	Not Present	
2. How was the	sample delive	red?			Courier			
Log In							_	
3. Was an atten	npt made to co	ol the samples	?		Yes 🗸	No 🗌	NA 🗌	
4. Were all samp	ples received a	at a temperatur	e of >0° C	to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in	proper contain	er(s)?			Yes 🗸	No 🗌		
6. Sufficient sam	nple volume for	r indicated test	(s)?		Yes 🗹	No 🗌		
7. Are samples ((except VOA a	nd ONG) prope	rly preserv	ed?	Yes 🗸	No 🗌		
8. Was preserva	itive added to l	oottles?			Yes	No 🗹	NA 🗆	
9. Received at le	east 1 vial with	headspace <1	/4" for AQ \	/OA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sar	mple container	s received brok	en?		Yes	No 🔽	# of preserved	
11. Does paperwo	ork match bottl ancies on chai				Yes 🗹	No 🗆	bottles checked for pH:	r >12 unless noted)
12. Are matrices			f Custody?		Yes 🗹	No 🗌	Adjusted?	
13. Is it clear wha			-		Yes 🔽	No 🗌		
14. Were all holdi (If no, notify c	ing times able t ustomer for au				Yes 🗸	No 🗆	Checked by:	JN421/23
Special Handl	ling (if appl	icable)						
15. Was client no	otified of all dis	crepancies with	this order	?	Yes 🗌	No 🗆	NA 🗹	_
Person	Notified:			Date	<u> </u>			
By Who				Via:	eMail	Phone Fax	☐ In Person	
Regard								
-	nstructions:							
16. Additional re	marks:							
_	· ·	er and email ad	rress. JR 1	/21/23				
17. Cooler Infor		Condition	Seal Intact	Seal No	Seal Date	Signed By		
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Chain-of-Custody Record	Turn-Around Time:	
Client: NOC ASONCOS	□ Standard ARush 79 HV	ANALYSIS LABORATORY
(Newson)	4	www.hallenvironmental.com
Mailing Address: ()	Douton Frattery	4901 Hawkins NE - Albuquerque, NM 87109
	thorn seed to	Tel. 505-345-3975 Fax 505-345-4107
Phone #:	10E-00123-01	Analysis Request
email or Fax#:	Project Manager:	*O\$
QA/QC Package:	Chance	S's SMS S, _p C
☐ Standard ☐ Level 4 (Full Validation)	2022	05 PC
Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other	Sampler: Fe wound ledy to 2	2808/s (1.40) (1.40) 728 10 6 5 0 N (A)
□ EDD (Type)	# of Coolers: The arty	(GRES) pod 한 310 310 310 310 310 310 310 310
	Cooler Temp(including CF): (0.3-0-0-3 (°C)	Daring Petholler Organia Petholler P
Date Time Matrix Sample Name	Container Preservative 7 HEAL No.	EDB (N-80) PAHs D RCRA 6 B260 (N-82) RCRA 6 B260 (N-82) RCRA 6 B260 (N-82)
1 13:00 Soil WSC3-176		
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	popular podel	
Date: Time: Relinquished by:	Via: Date	Remarks:
Date: Time: Relinquished by:	Received by: Wis: Date Time	3
300	Lander 1/21/3	Divect Bill to EOG
f necessary samples submitted to Hall Envir	ries	possibility. Any sub-contracted data will be clearly notated on the analytical report.

Ē Released to Imaging: 5/1/2023 9:59:25 AM



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

February 02, 2023

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

FAX:

RE: Dayton ER Battery OrderNo.: 2301A28

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 10 sample(s) on 1/27/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Analytical ReportLab Order **2301A28**

Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WES23-184 0-4'

Project: Dayton ER Battery
 Collection Date: 1/25/2023 9:30:00 AM

 Lab ID: 2301A28-001
 Matrix: SOIL
 Received Date: 1/27/2023 7:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	1/31/2023 2:20:32 PM
Motor Oil Range Organics (MRO)	130	47	mg/Kg	1	1/31/2023 2:20:32 PM
Surr: DNOP	109	69-147	%Rec	1	1/31/2023 2:20:32 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	ND	60	mg/Kg	20	1/30/2023 6:44:47 PM
EPA METHOD 8260B: VOLATILES SHORT LIST	Г				Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	1/30/2023 6:09:00 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 6:09:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 6:09:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	1/30/2023 6:09:00 PM
Surr: 1,2-Dichloroethane-d4	128	70-130	%Rec	1	1/30/2023 6:09:00 PM
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	1/30/2023 6:09:00 PM
Surr: Dibromofluoromethane	110	70-130	%Rec	1	1/30/2023 6:09:00 PM
Surr: Toluene-d8	108	70-130	%Rec	1	1/30/2023 6:09:00 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 6:09:00 PM
Surr: BFB	111	70-130	%Rec	1	1/30/2023 6:09:00 PM

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

Qualifiers:

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

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Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WES23-185 0-4'

Project: Dayton ER Battery
 Collection Date: 1/25/2023 9:21:00 AM

 Lab ID: 2301A28-002
 Matrix: SOIL
 Received Date: 1/27/2023 7:25:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	1/30/2023 8:01:30 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	1/30/2023 8:01:30 PM
Surr: DNOP	97.9	69-147	%Rec	1	1/30/2023 8:01:30 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	920	60	mg/Kg	20	1/30/2023 6:57:39 PM
EPA METHOD 8260B: VOLATILES SHORT LIST	Г				Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	1/30/2023 6:36:06 PM
Toluene	ND	0.048	mg/Kg	1	1/30/2023 6:36:06 PM
Ethylbenzene	ND	0.048	mg/Kg	1	1/30/2023 6:36:06 PM
Xylenes, Total	ND	0.097	mg/Kg	1	1/30/2023 6:36:06 PM
Surr: 1,2-Dichloroethane-d4	110	70-130	%Rec	1	1/30/2023 6:36:06 PM
Surr: 4-Bromofluorobenzene	115	70-130	%Rec	1	1/30/2023 6:36:06 PM
Surr: Dibromofluoromethane	117	70-130	%Rec	1	1/30/2023 6:36:06 PM
Surr: Toluene-d8	109	70-130	%Rec	1	1/30/2023 6:36:06 PM
EPA METHOD 8015D MOD: GASOLINE RANGE	<u> </u>				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/30/2023 6:36:06 PM
Surr: BFB	112	70-130	%Rec	1	1/30/2023 6:36:06 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WES23-190 0-4'

 Project:
 Dayton ER Battery
 Collection Date: 1/25/2023 1:11:00 PM

 Lab ID:
 2301A28-003
 Matrix: SOIL
 Received Date: 1/27/2023 7:25:00 AM

Analyses	Result	RL (Qual U	Jnits	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst: JME
Diesel Range Organics (DRO)	ND	9.3	1	mg/Kg	1	1/30/2023 8:12:09 PM
Motor Oil Range Organics (MRO)	ND	47	1	mg/Kg	1	1/30/2023 8:12:09 PM
Surr: DNOP	92.5	69-147	(%Rec	1	1/30/2023 8:12:09 PM
EPA METHOD 300.0: ANIONS						Analyst: CAS
Chloride	1100	60	ı	mg/Kg	20	1/30/2023 7:10:30 PM
EPA METHOD 8260B: VOLATILES SHORT LIS	ST .					Analyst: RAA
Benzene	ND	0.024	1	mg/Kg	1	1/30/2023 7:03:16 PM
Toluene	ND	0.048		mg/Kg	1	1/30/2023 7:03:16 PM
Ethylbenzene	ND	0.048	1	mg/Kg	1	1/30/2023 7:03:16 PM
Xylenes, Total	ND	0.096	1	mg/Kg	1	1/30/2023 7:03:16 PM
Surr: 1,2-Dichloroethane-d4	132	70-130	S	%Rec	1	1/30/2023 7:03:16 PM
Surr: 4-Bromofluorobenzene	108	70-130	(%Rec	1	1/30/2023 7:03:16 PM
Surr: Dibromofluoromethane	119	70-130	(%Rec	1	1/30/2023 7:03:16 PM
Surr: Toluene-d8	112	70-130	•	%Rec	1	1/30/2023 7:03:16 PM
EPA METHOD 8015D MOD: GASOLINE RANG	E					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/30/2023 7:03:16 PM
Surr: BFB	102	70-130	(%Rec	1	1/30/2023 7:03:16 PM

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

Qualifiers:

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

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Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES23-12 4'

Project: Dayton ER Battery
 Collection Date: 1/25/2023 11:22:00 AM

 Lab ID: 2301A28-004
 Matrix: SOIL
 Received Date: 1/27/2023 7:25:00 AM

Analyses	Result	RL Qua	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: JME
Diesel Range Organics (DRO)	27	9.7	mg/Kg	1	1/30/2023 8:22:48 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	1/30/2023 8:22:48 PM
Surr: DNOP	100	69-147	%Rec	1	1/30/2023 8:22:48 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	650	60	mg/Kg	20	1/30/2023 7:23:22 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	1/30/2023 7:30:26 PM
Toluene	ND	0.050	mg/Kg	1	1/30/2023 7:30:26 PM
Ethylbenzene	ND	0.050	mg/Kg	1	1/30/2023 7:30:26 PM
Xylenes, Total	ND	0.099	mg/Kg	1	1/30/2023 7:30:26 PM
Surr: 1,2-Dichloroethane-d4	119	70-130	%Rec	1	1/30/2023 7:30:26 PM
Surr: 4-Bromofluorobenzene	110	70-130	%Rec	1	1/30/2023 7:30:26 PM
Surr: Dibromofluoromethane	110	70-130	%Rec	1	1/30/2023 7:30:26 PM
Surr: Toluene-d8	109	70-130	%Rec	1	1/30/2023 7:30:26 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	1/30/2023 7:30:26 PM
Surr: BFB	111	70-130	%Rec	1	1/30/2023 7:30:26 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES23-13 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/25/2023 11:30:00 AM

 Lab ID:
 2301A28-005
 Matrix: SOIL
 Received Date: 1/27/2023 7:25:00 AM

Analyses	Result	RL Qua	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	1/30/2023 8:33:29 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	1/30/2023 8:33:29 PM
Surr: DNOP	98.8	69-147	%Rec	1	1/30/2023 8:33:29 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	720	60	mg/Kg	20	1/30/2023 8:01:58 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	1/30/2023 7:57:35 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 7:57:35 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 7:57:35 PM
Xylenes, Total	ND	0.098	mg/Kg	1	1/30/2023 7:57:35 PM
Surr: 1,2-Dichloroethane-d4	121	70-130	%Rec	1	1/30/2023 7:57:35 PM
Surr: 4-Bromofluorobenzene	115	70-130	%Rec	1	1/30/2023 7:57:35 PM
Surr: Dibromofluoromethane	118	70-130	%Rec	1	1/30/2023 7:57:35 PM
Surr: Toluene-d8	109	70-130	%Rec	1	1/30/2023 7:57:35 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 7:57:35 PM
Surr: BFB	110	70-130	%Rec	1	1/30/2023 7:57:35 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES23-14 4'

Project: Dayton ER Battery **Collection Date:** 1/25/2023 11:25:00 AM 2301A28-006 Lab ID: Matrix: SOIL **Received Date:** 1/27/2023 7:25:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	1/30/2023 8:44:10 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/30/2023 8:44:10 PM
Surr: DNOP	103	69-147	%Rec	1	1/30/2023 8:44:10 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	740	60	mg/Kg	20	1/30/2023 8:14:50 PM
EPA METHOD 8260B: VOLATILES SHORT LIS	ST				Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	1/30/2023 8:24:43 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 8:24:43 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 8:24:43 PM
Xylenes, Total	ND	0.098	mg/Kg	1	1/30/2023 8:24:43 PM
Surr: 1,2-Dichloroethane-d4	133	70-130	S %Rec	1	1/30/2023 8:24:43 PM
Surr: 4-Bromofluorobenzene	113	70-130	%Rec	1	1/30/2023 8:24:43 PM
Surr: Dibromofluoromethane	118	70-130	%Rec	1	1/30/2023 8:24:43 PM
Surr: Toluene-d8	108	70-130	%Rec	1	1/30/2023 8:24:43 PM
EPA METHOD 8015D MOD: GASOLINE RANG	Ε				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 8:24:43 PM
Surr: BFB	106	70-130	%Rec	1	1/30/2023 8:24:43 PM

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

Qualifiers:

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

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Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES23-15 4'

Project: Dayton ER Battery
 Collection Date: 1/25/2023 11:39:00 AM

 Lab ID: 2301A28-007
 Matrix: SOIL
 Received Date: 1/27/2023 7:25:00 AM

Analyses	Result	RL (Qual Unit	s DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.8	mg/l	(g 1	1/30/2023 8:54:48 PM
Motor Oil Range Organics (MRO)	ND	49	mg/l	(g 1	1/30/2023 8:54:48 PM
Surr: DNOP	103	69-147	%Re	ec 1	1/30/2023 8:54:48 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	230	60	mg/l	Kg 20	1/30/2023 9:44:54 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: RAA
Benzene	ND	0.024	mg/l	(g 1	1/30/2023 8:51:52 PM
Toluene	ND	0.049	mg/l	(g 1	1/30/2023 8:51:52 PM
Ethylbenzene	ND	0.049	mg/l	(g 1	1/30/2023 8:51:52 PM
Xylenes, Total	ND	0.098	mg/l	(g 1	1/30/2023 8:51:52 PM
Surr: 1,2-Dichloroethane-d4	131	70-130	S %Re	ec 1	1/30/2023 8:51:52 PM
Surr: 4-Bromofluorobenzene	114	70-130	%Re	ec 1	1/30/2023 8:51:52 PM
Surr: Dibromofluoromethane	115	70-130	%Re	ec 1	1/30/2023 8:51:52 PM
Surr: Toluene-d8	109	70-130	%Re	ec 1	1/30/2023 8:51:52 PM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/l	(g 1	1/30/2023 8:51:52 PM
Surr: BFB	113	70-130	%Re	ec 1	1/30/2023 8:51:52 PM

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

Qualifiers:

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

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Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES23-16 4'

Project: Dayton ER Battery **Collection Date:** 1/25/2023 11:45:00 AM 2301A28-008 Lab ID: Matrix: SOIL **Received Date:** 1/27/2023 7:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	1/30/2023 9:05:27 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	1/30/2023 9:05:27 PM
Surr: DNOP	105	69-147	%Rec	1	1/30/2023 9:05:27 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	300	60	mg/Kg	20	1/30/2023 9:57:45 PM
EPA METHOD 8260B: VOLATILES SHORT LI	ST				Analyst: RAA
Benzene	ND	0.023	mg/Kg	1	1/31/2023 1:21:54 AM
Toluene	ND	0.047	mg/Kg	1	1/31/2023 1:21:54 AM
Ethylbenzene	ND	0.047	mg/Kg	1	1/31/2023 1:21:54 AM
Xylenes, Total	ND	0.093	mg/Kg	1	1/31/2023 1:21:54 AM
Surr: 1,2-Dichloroethane-d4	122	70-130	%Rec	1	1/31/2023 1:21:54 AM
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	1/31/2023 1:21:54 AM
Surr: Dibromofluoromethane	108	70-130	%Rec	1	1/31/2023 1:21:54 AM
Surr: Toluene-d8	109	70-130	%Rec	1	1/31/2023 1:21:54 AM
EPA METHOD 8015D MOD: GASOLINE RANG	GE				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	1/31/2023 1:21:54 AM
Surr: BFB	110	70-130	%Rec	1	1/31/2023 1:21:54 AM

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

Qualifiers:

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

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Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES23-17 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/25/2023 11:49:00 AM

 Lab ID:
 2301A28-009
 Matrix: SOIL
 Received Date: 1/27/2023 7:25:00 AM

Analyses	Result	RL Qua	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	1/31/2023 1:59:16 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	1/31/2023 1:59:16 PM
Surr: DNOP	99.0	69-147	%Rec	1	1/31/2023 1:59:16 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	390	60	mg/Kg	20	1/30/2023 10:10:37 PM
EPA METHOD 8260B: VOLATILES SHORT LIST	Ī				Analyst: RAA
Benzene	ND	0.023	mg/Kg	1	1/31/2023 1:48:44 AM
Toluene	ND	0.046	mg/Kg	1	1/31/2023 1:48:44 AM
Ethylbenzene	ND	0.046	mg/Kg	1	1/31/2023 1:48:44 AM
Xylenes, Total	ND	0.093	mg/Kg	1	1/31/2023 1:48:44 AM
Surr: 1,2-Dichloroethane-d4	110	70-130	%Rec	1	1/31/2023 1:48:44 AM
Surr: 4-Bromofluorobenzene	115	70-130	%Rec	1	1/31/2023 1:48:44 AM
Surr: Dibromofluoromethane	104	70-130	%Rec	1	1/31/2023 1:48:44 AM
Surr: Toluene-d8	107	70-130	%Rec	1	1/31/2023 1:48:44 AM
EPA METHOD 8015D MOD: GASOLINE RANGE	i				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	1/31/2023 1:48:44 AM
Surr: BFB	107	70-130	%Rec	1	1/31/2023 1:48:44 AM

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

Qualifiers:

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

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Date Reported: 2/2/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES23-18 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/25/2023 11:52:00 AM

 Lab ID:
 2301A28-010
 Matrix: SOIL
 Received Date: 1/27/2023 7:25:00 AM

Analyses	Result	RL Qual	Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGAI	NICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	1/31/2023 2:09:55 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/31/2023 2:09:55 PM
Surr: DNOP	96.9	69-147	%Rec	1	1/31/2023 2:09:55 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	830	60	mg/Kg	20	1/30/2023 10:23:28 PM
EPA METHOD 8260B: VOLATILES SHORT LIST					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	1/31/2023 2:15:36 AM
Toluene	ND	0.049	mg/Kg	1	1/31/2023 2:15:36 AM
Ethylbenzene	ND	0.049	mg/Kg	1	1/31/2023 2:15:36 AM
Xylenes, Total	ND	0.098	mg/Kg	1	1/31/2023 2:15:36 AM
Surr: 1,2-Dichloroethane-d4	128	70-130	%Rec	1	1/31/2023 2:15:36 AM
Surr: 4-Bromofluorobenzene	115	70-130	%Rec	1	1/31/2023 2:15:36 AM
Surr: Dibromofluoromethane	106	70-130	%Rec	1	1/31/2023 2:15:36 AM
Surr: Toluene-d8	106	70-130	%Rec	1	1/31/2023 2:15:36 AM
EPA METHOD 8015D MOD: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/31/2023 2:15:36 AM
Surr: BFB	107	70-130	%Rec	1	1/31/2023 2:15:36 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range
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Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A28 02-Feb-23**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72897 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72897 RunNo: 94284

Prep Date: 1/30/2023 Analysis Date: 1/30/2023 SeqNo: 3406221 Units: mq/Kg

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

Chloride ND 1.5

Sample ID: LCS-72897 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72897 RunNo: 94284

Prep Date: 1/30/2023 Analysis Date: 1/30/2023 SeqNo: 3406222 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.9 90 110

Sample ID: MB-72900 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72900 RunNo: 94284

Prep Date: 1/30/2023 Analysis Date: 1/30/2023 SeqNo: 3406251 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72900 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72900 RunNo: 94284

Prep Date: 1/30/2023 Analysis Date: 1/30/2023 SeqNo: 3406252 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.0 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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 11 of 15

Hall Environmental Analysis Laboratory, Inc.

2301A28 02-Feb-23

WO#:

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Project: Dayton I	ER Battery	
Sample ID: MB-72885	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 72885	RunNo: 94266
Prep Date: 1/30/2023	Analysis Date: 1/30/2023	SeqNo: 3405588 Units: mg/Kg
Analyte	Result PQL SPK va	ulue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	13 10	.00 131 69 147
Sample ID: LCS-72885	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 72885	RunNo: 94266
Prep Date: 1/30/2023	Analysis Date: 1/30/2023	SeqNo: 3405589 Units: mg/Kg
Analyte	Result PQL SPK va	ulue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	39 10 50	.00 0 78.8 61.9 130
Surr: DNOP	5.1 5.0	000 103 69 147
Sample ID: LCS-72892	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 72892	RunNo: 94303
Prep Date: 1/30/2023	Analysis Date: 1/31/2023	SeqNo: 3406296 Units: mg/Kg
Analyte	Result PQL SPK va	ılue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	44 10 50	.00 0 88.2 61.9 130
Surr: DNOP	5.1 5.0	000 101 69 147
Sample ID: MB-72892	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 72892	RunNo: 94303
Prep Date: 1/30/2023	Analysis Date: 1/31/2023	SeqNo: 3406299 Units: mg/Kg
Analyte	Result PQL SPK va	ulue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	

Qualifiers:

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

Motor Oil Range Organics (MRO)

Surr: DNOP

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quantitative Limit

ND

9.8

50

10.00

B Analyte detected in the associated Method Blank

98.3

147

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A28**

02-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: 2301a28-002ams	SampType: MS4 TestCode: EPA Method 8260B: Volatiles Short							_ist			
Client ID: WES23-185 0-4'	Batcl	h ID: 728	376	F	RunNo: 94	1292					
Prep Date: 1/27/2023	Analysis [Date: 1/3	30/2023	5	SeqNo: 34	105787	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.87	0.025	0.9804	0	88.6	75.8	123				
Toluene	0.98	0.049	0.9804	0	100	68.3	130				
Ethylbenzene	0.97	0.049	0.9804	0	99.3	76.6	132				
Xylenes, Total	3.0	0.098	2.941	0	103	74.7	132				
Surr: 1,2-Dichloroethane-d4	0.60		0.4902		122	70	130				
Surr: 4-Bromofluorobenzene	0.54		0.4902		110	70	130				
Surr: Dibromofluoromethane	0.51		0.4902		104	70	130				
Surr: Toluene-d8	0.53		0.4902		108	70	130				

Sample ID: 2301a28-002amsd	SampType: MSD4 TestCode: EPA Method 8260B: Volatiles Short List									
Client ID: WES23-185 0-4'	Batc	h ID: 72 8	376	RunNo: 94292						
Prep Date: 1/27/2023	Analysis Date: 1/30/2023			SeqNo: 3405788			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9785	0	91.0	75.8	123	2.47	20	
Toluene	1.0	0.049	0.9785	0	107	68.3	130	6.35	20	
Ethylbenzene	1.0	0.049	0.9785	0	105	76.6	132	5.88	20	
Xylenes, Total	3.2	0.098	2.935	0	110	74.7	132	6.75	20	
Surr: 1,2-Dichloroethane-d4	0.57		0.4892		116	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.61		0.4892		125	70	130	0	0	
Surr: Dibromofluoromethane	0.51		0.4892		105	70	130	0	0	
Surr: Toluene-d8	0.54		0.4892		111	70	130	0	0	

Sample ID: LCS-72876	SampType: LCS4 TestCode: EPA Method 8260B: Volatiles Short List									
Client ID: BatchQC	Batcl	n ID: 72 8	376	F	RunNo: 94292					
Prep Date: 1/27/2023	Analysis D	Date: 1/3	30/2023	5	SeqNo: 34	105799	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	93.7	80	120			
Toluene	0.96	0.050	1.000	0	96.0	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.2	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 1,2-Dichloroethane-d4	0.59		0.5000		117	70	130			
Surr: 4-Bromofluorobenzene	0.54		0.5000		109	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		107	70	130			
Surr: Toluene-d8	0.52		0.5000		104	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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 13 of 15

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A28**

02-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-72876 Client ID: PBS	•	Гуре: МВ h ID: 72 8			tCode: EF RunNo: 9 4		8260B: Volatiles Short List					
Prep Date: 1/27/2023	Analysis [Date: 1/3	30/2023	5	SeqNo: 34	105800	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: 1,2-Dichloroethane-d4	0.60		0.5000		119	70	130					
Surr: 4-Bromofluorobenzene	0.54		0.5000		109	70	130					
Surr: Dibromofluoromethane	0.54		0.5000		108	70	130					
Surr: Toluene-d8	0.51		0.5000		103	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Result

ND

520

PQL

5.0

2301A28

WO#:

02-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

	2 uj ton 22	200001									
Sample ID: 23	301a28-001ams	SampTy	/pe: MS	<u> </u>	Tes	tCode: El	PA Method	8015D Mod:	Gasoline R	lange	
Client ID: W	VES23-184 0-4'	Batch	ID: 72 8	376	F	RunNo: 9	4292				
Prep Date:	1/27/2023	Analysis Da	ate: 1/3	30/2023	5	SeqNo: 3	405761	Units: mg/k	ζg		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	23	4.9	24.37	0	93.9	65.9	123			
Surr: BFB		550		487.3		113	70	130			
Sample ID: 23	301a28-001amsd	SampTy	/pe: MS	SD	TestCode: EPA Method 8015D Mod: Gasoline Range						
Client ID: W	VES23-184 0-4'	Batch	ID: 72 8	376	RunNo: 94292						
Prep Date:	1/27/2023	Analysis Da	ate: 1/ 3	30/2023	9	SeqNo: 3	405762	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	23	4.9	24.46	0	94.2	65.9	123	0.773	20	
Surr: BFB		530		489.2		108	70	130	0	0	
Sample ID: Lo	.CS-72876	SampTy	/pe: LC	S	Tes	tCode: El	PA Method	8015D Mod:	Gasoline R	lange	
Client ID: Lo	.css	Batch	ID: 72 8	376	F	RunNo: 9	4292				
Prep Date:	1/27/2023	Analysis Da	ate: 1/3	30/2023	9	SeqNo: 3	405775	Units: mg/k	(g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range C	Organics (GRO)	29	5.0	25.00	0	116	70	130			
Surr: BFB		580		500.0		116	70	130			
Sample ID: m	nb-72876	SampTy	/pe: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline R	lange	
Client ID: P	PBS	Batch	ID: 72 8	376	F	RunNo: 9	4292				
Prep Date:	1/27/2023	Analysis Da	ate: 1/3	30/2023	5	SeqNo: 3	405776	Units: mg/k	(g		

SPK value SPK Ref Val %REC

500.0

Qualifiers:

Analyte

Surr: BFB

Gasoline Range Organics (GRO)

- 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 Quantitative Limit
- B Analyte detected in the associated Method Blank

LowLimit

70

103

HighLimit

130

%RPD

RPDLimit

Qual

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

Website: www.hallenvironmental.com

Client Name:	Vertex Res Services, In		Work	Order Numbe	r: 2301	A28		RcptNo: 1
Received By:	Juan Roja	as	1/27/20	23 7:25:00 AN	Л		Heavis	9
Completed By:	Tracy Cas		1/27/20	23 8:02:42 AN	Л			
Reviewed By:	-	1.27.	23					
Chain of Cust	todv							
1. Is Chain of Cu		lete?			Yes	V	No [Not Present
2. How was the s	sample deliv	rered?			Cour	er		
Log In								
3. Was an attem	pt made to o	cool the samp	les?		Yes	✓	No [] NA □
4. Were all samp	les received	at a tempera	ture of >0° C	to 6.0°C	Yes	✓	No [NA 🗆
5. Sample(s) in p	proper contai	iner(s)?			Yes	✓	No 🗆]
3. Sufficient sam	ple volume f	or indicated to	est(s)?		Yes	✓	No 🗌	
7. Are samples (e	except VOA	and ONG) pro	operly preserve	ed?	Yes	✓	No 🗌	
B. Was preservat	ive added to	bottles?			Yes		No 🗸	NA 🗆
9. Received at lea	ast 1 vial wit	h headspace	<1/4" for AQ \	OA?			No 🗌	NA 🗹
O. Were any sam	ple containe	ers received b	roken?		Yes		No 🗹	# of preserved
1. Does paperwo)		Yes	✓	No 🗆	bottles checked for pH: (<2 or >12 unless not
2. Are matrices o					Yes	✓	No 🗌	
3. Is it clear what	analyses we	ere requested	?		Yes	✓	No 🗌	
4. Were all holdin (If no, notify cu	-				Yes	~	No 🗌	Offecked by: \$1-27-23
pecial Handli								0
5. Was client not	ified of all di	screpancies v	with this order	•	Yes		No 🗆	NA ☑
Person I	Notified:			Date:				
By Who	m:			Via: [eMa	i 🗌 F	Phone 🔲 Fa	ax In Person
Regardin	ng:							and the second s
Client In	structions:							
6. Additional ren	narks:							
7. Cooler Inform	1	T.		1				
Cooler No	Temp °C	Condition	Seal Intact		Seal Da	te	Signed By	unitation of the control of the cont
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2	0.5	Good	Yes	Yogi				

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Chain-or-Custody Record		LAIL CNIVIDONIMENTAL
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	Project Name:	www.hallenvironmental.com
Mailing Address: On 🚉 🎉	Dayton ER Buttery	4901 Hawkins NE - Albuquerque, NM 87109
	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #:	22E-0012-3-01	Analysis Request
email or Fax#:	Project Manager:	†O\$
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Released to Imaging: 5/1/2023 9:59:25 AM



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

February 01, 2023

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

FAX

RE: Dayton ER Battery OrderNo.: 2301A83

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 12 sample(s) on 1/28/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-19 4'

Project: Dayton ER Battery
 Collection Date: 1/26/2023 9:57:00 AM

 Lab ID: 2301A83-001
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	1/30/2023 5:22:03 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	1/30/2023 5:22:03 PM
Surr: DNOP	108	69-147	%Rec	1	1/30/2023 5:22:03 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 7:26:00 AM
Surr: BFB	75.5	37.7-212	%Rec	1	1/30/2023 7:26:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	1/30/2023 7:26:00 AM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 7:26:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 7:26:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	1/30/2023 7:26:00 AM
Surr: 4-Bromofluorobenzene	78.8	70-130	%Rec	1	1/30/2023 7:26:00 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	690	60	mg/Kg	20	1/30/2023 10:36:20 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 16

Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-20 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:01:00 AM

 Lab ID:
 2301A83-002
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	1/30/2023 5:53:54 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/30/2023 5:53:54 PM
Surr: DNOP	107	69-147	%Rec	1	1/30/2023 5:53:54 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	1/30/2023 11:43:00 AM
Surr: BFB	104	37.7-212	%Rec	1	1/30/2023 11:43:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	1/30/2023 11:43:00 AM
Toluene	ND	0.050	mg/Kg	1	1/30/2023 11:43:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	1/30/2023 11:43:00 AM
Xylenes, Total	ND	0.099	mg/Kg	1	1/30/2023 11:43:00 AM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	1/30/2023 11:43:00 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	430	60	mg/Kg	20	1/30/2023 10:49:12 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 16

Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-21 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:07:00 AM

 Lab ID:
 2301A83-003
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	1/30/2023 6:04:39 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/30/2023 6:04:39 PM
Surr: DNOP	109	69-147	%Rec	1	1/30/2023 6:04:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 12:03:00 PM
Surr: BFB	106	37.7-212	%Rec	1	1/30/2023 12:03:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	1/30/2023 12:03:00 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 12:03:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 12:03:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	1/30/2023 12:03:00 PM
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	1/30/2023 12:03:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	380	61	mg/Kg	20	1/30/2023 11:27:47 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-22 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:14:00 AM

 Lab ID:
 2301A83-004
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	1/30/2023 6:15:23 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	1/30/2023 6:15:23 PM
Surr: DNOP	108	69-147	%Rec	1	1/30/2023 6:15:23 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	1/30/2023 12:22:00 PM
Surr: BFB	109	37.7-212	%Rec	1	1/30/2023 12:22:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	1/30/2023 12:22:00 PM
Toluene	ND	0.048	mg/Kg	1	1/30/2023 12:22:00 PM
Ethylbenzene	ND	0.048	mg/Kg	1	1/30/2023 12:22:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	1/30/2023 12:22:00 PM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	1/30/2023 12:22:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	380	60	mg/Kg	20	1/30/2023 11:40:40 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-23 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:23:00 AM

 Lab ID:
 2301A83-005
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	1/30/2023 6:26:05 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/30/2023 6:26:05 PM
Surr: DNOP	108	69-147	%Rec	1	1/30/2023 6:26:05 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 12:42:00 PM
Surr: BFB	103	37.7-212	%Rec	1	1/30/2023 12:42:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	1/30/2023 12:42:00 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 12:42:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 12:42:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	1/30/2023 12:42:00 PM
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	1	1/30/2023 12:42:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	270	60	mg/Kg	20	1/30/2023 11:53:32 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
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-24 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:29:00 AM

 Lab ID:
 2301A83-006
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	1/30/2023 6:36:45 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/30/2023 6:36:45 PM
Surr: DNOP	103	69-147	%Rec	1	1/30/2023 6:36:45 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	1/30/2023 1:02:00 PM
Surr: BFB	106	37.7-212	%Rec	1	1/30/2023 1:02:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	1/30/2023 1:02:00 PM
Toluene	ND	0.050	mg/Kg	1	1/30/2023 1:02:00 PM
Ethylbenzene	ND	0.050	mg/Kg	1	1/30/2023 1:02:00 PM
Xylenes, Total	ND	0.10	mg/Kg	1	1/30/2023 1:02:00 PM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	1/30/2023 1:02:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	220	60	mg/Kg	20	1/31/2023 12:06:23 AM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-25 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:35:00 AM

 Lab ID:
 2301A83-007
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	1/30/2023 6:47:25 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	1/30/2023 6:47:25 PM
Surr: DNOP	101	69-147	%Rec	1	1/30/2023 6:47:25 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 1:22:00 PM
Surr: BFB	102	37.7-212	%Rec	1	1/30/2023 1:22:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	1/30/2023 1:22:00 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 1:22:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 1:22:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	1/30/2023 1:22:00 PM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	1/30/2023 1:22:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	290	60	mg/Kg	20	1/31/2023 12:19:15 AM

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

Qualifiers:

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

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Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-26 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:44:00 AM

 Lab ID:
 2301A83-008
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	1/30/2023 6:58:03 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	1/30/2023 6:58:03 PM
Surr: DNOP	98.2	69-147	%Rec	1	1/30/2023 6:58:03 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 1:41:00 PM
Surr: BFB	106	37.7-212	%Rec	1	1/30/2023 1:41:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	1/30/2023 1:41:00 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 1:41:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 1:41:00 PM
Xylenes, Total	ND	0.097	mg/Kg	1	1/30/2023 1:41:00 PM
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	1/30/2023 1:41:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	340	60	mg/Kg	20	1/31/2023 12:32:06 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
- H Holding times for preparation or analysis exceeded
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-27 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:47:00 AM

 Lab ID:
 2301A83-009
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	1/30/2023 7:08:39 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	1/30/2023 7:08:39 PM
Surr: DNOP	102	69-147	%Rec	1	1/30/2023 7:08:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 2:01:00 PM
Surr: BFB	110	37.7-212	%Rec	1	1/30/2023 2:01:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	1/30/2023 2:01:00 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 2:01:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 2:01:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	1/30/2023 2:01:00 PM
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	1/30/2023 2:01:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	120	60	mg/Kg	20	1/31/2023 12:44:59 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
- $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range Page 9 of 16

Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-28 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:52:00 AM

 Lab ID:
 2301A83-010
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	1/30/2023 7:19:15 PM
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	1/30/2023 7:19:15 PM
Surr: DNOP	103	69-147	%Rec	1	1/30/2023 7:19:15 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 2:21:00 PM
Surr: BFB	107	37.7-212	%Rec	1	1/30/2023 2:21:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.024	mg/Kg	1	1/30/2023 2:21:00 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 2:21:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 2:21:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	1/30/2023 2:21:00 PM
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	1/30/2023 2:21:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	160	60	mg/Kg	20	1/31/2023 12:57:51 AM

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

Qualifiers:

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

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Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-29 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 10:57:00 AM

 Lab ID:
 2301A83-011
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JME
Diesel Range Organics (DRO)	12	9.7	mg/Kg	1	1/30/2023 7:29:49 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	1/30/2023 7:29:49 PM
Surr: DNOP	109	69-147	%Rec	1	1/30/2023 7:29:49 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 2:41:00 PM
Surr: BFB	102	37.7-212	%Rec	1	1/30/2023 2:41:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	1/30/2023 2:41:00 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 2:41:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 2:41:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	1/30/2023 2:41:00 PM
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	1/30/2023 2:41:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	620	60	mg/Kg	20	1/31/2023 1:10:43 AM

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

Qualifiers:

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

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Date Reported: 2/1/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-30 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/26/2023 11:01:00 AM

 Lab ID:
 2301A83-012
 Matrix: SOIL
 Received Date: 1/28/2023 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: JME
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	1/30/2023 7:40:22 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	1/30/2023 7:40:22 PM
Surr: DNOP	101	69-147	%Rec	1	1/30/2023 7:40:22 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	1/30/2023 3:20:00 PM
Surr: BFB	103	37.7-212	%Rec	1	1/30/2023 3:20:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: CCM
Benzene	ND	0.025	mg/Kg	1	1/30/2023 3:20:00 PM
Toluene	ND	0.049	mg/Kg	1	1/30/2023 3:20:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	1/30/2023 3:20:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	1/30/2023 3:20:00 PM
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	1/30/2023 3:20:00 PM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	150	60	mg/Kg	20	1/31/2023 1:23:35 AM

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A83**

01-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72900 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72900 RunNo: 94284

Prep Date: 1/30/2023 Analysis Date: 1/30/2023 SeqNo: 3406251 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72900 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72900 RunNo: 94284

Prep Date: 1/30/2023 Analysis Date: 1/30/2023 SeqNo: 3406252 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.0 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 Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A83**

01-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72885	SampT	SampType: MBLK TestCode: EPA Method 80						esel Range	e Organics	
Client ID: PBS	Batcl	Batch ID: 72885 RunNo: 94266								
Prep Date: 1/30/2023	Analysis D	ate: 1/	30/2023	S	SeqNo: 3	405588	Units: mg/k	(g		
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	13		10.00		131	69	147			
Sample ID: LCS-72885	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batcl	n ID: 72	885	F	RunNo: 9	4266				
Prep Date: 1/30/2023	Analysis D	ate: 1/	30/2023	S	SeqNo: 3	405589	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	10	50.00	0	78.8	61.9	130			

Sample ID: 2301A83-001AMS	SampT	уре: М S	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: BES23-19 4'	Batch	ID: 72	885	F	RunNo: 94	4266				
Prep Date: 1/30/2023	Analysis D	ate: 1/	30/2023	8	SeqNo: 3	405633	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	49.75	0	80.0	54.2	135			
Surr: DNOP	5.6		4.975		112	69	147			

Sample ID: 2301A83-001AMSE	SampT	ype: M \$	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: BES23-19 4'	Batch	n ID: 72	885	F	RunNo: 9	4266				
Prep Date: 1/30/2023	Analysis D	ate: 1/	30/2023	8	SeqNo: 3	405636	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	39	9.6	47.85	0	81.8	54.2	135	1.72	29.2	
Surr: DNOP	5.3		4.785		110	69	147	0	0	

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

1100

1200

WO#: 2301A83

01-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-72881

Surr: BFB

Sample ID: Ics-72881 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 72881 RunNo: 94256 Prep Date: 1/28/2023 Analysis Date: 1/30/2023 SeqNo: 3405019 Units: mq/Kq PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual 0 Gasoline Range Organics (GRO) 28 5.0 25.00 112 72.3 137 Surr: BFB 1900 1000 192 37.7 212

Client ID: PBS Batch ID: 72881 RunNo: 94256 Prep Date: Analysis Date: 1/30/2023 1/28/2023 SeqNo: 3405020 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0

115

116

1000

996.0

TestCode: EPA Method 8015D: Gasoline Range

37.7

37.7

212

212

Sample ID: 2301A83-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: BES23-19 4' Batch ID: 72881 RunNo: 94256 Prep Date: 1/28/2023 Analysis Date: 1/30/2023 SeqNo: 3405659 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte PQL LowLimit Qual Gasoline Range Organics (GRO) 26 5.0 24.90 0 106 70 130 Surr: BFB

TestCode: EPA Method 8015D: Gasoline Range Sample ID: 2301A83-001amsd SampType: MSD Client ID: BES23-19 4' Batch ID: 72881 RunNo: 94256 Prep Date: 1/28/2023 Analysis Date: 1/30/2023 SeqNo: 3405660 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual Gasoline Range Organics (GRO) 30 5.0 24.95 119 70 130 n 11.7 20 Surr: BFB 1300 998.0 129 37.7 212 0 0

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2301A83** *01-Feb-23*

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-72881	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Volat	021B: Volatiles				
Client ID: LCSS	Batcl	h ID: 72 8	381	R	RunNo: 9	4256						
Prep Date: 1/28/2023	Analysis D	Date: 1/	30/2023	S	SeqNo: 3	404502	Units: mg/k					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.96	0.025	1.000	0	96.3	80	120					
Toluene	0.97	0.050	1.000	0	97.0	80	120					
Ethylbenzene	0.96	0.050	1.000	0	96.3	80	120					
Xylenes, Total	2.9	0.10	3.000	0	96.0	80	120					
Surr: 4-Bromofluorobenzene	1.9		1.000		188	70	130			S		

Sample ID: mb-72881	SampT	ype: ME	BLK	Tes	tCode: El	8021B: Volatiles						
Client ID: PBS	Batcl	n ID: 72	D: 72881 RunNo: 94256									
Prep Date: 1/28/2023	Analysis D	Date: 1/	30/2023	S	SeqNo: 3	404503	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	1.1		1.000		114	70	130					

Sample ID: 2301A83-002ams	SampType: MS TestCode: EPA Method 80							iles		
Client ID: BES23-20 4'	Batcl	Batch ID: 72881 RunNo: 94256								
Prep Date: 1/28/2023	Analysis D	oate: 1/3	30/2023	S	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9921	0	91.2	68.8	120			
Toluene	0.92	0.050	0.9921	0	92.4	73.6	124			
Ethylbenzene	0.92	0.050	0.9921	0	92.7	72.7	129			
Xylenes, Total	2.8	0.099	2.976	0	93.3	75.7	126			
Surr: 4-Bromofluorobenzene	1.1		0.9921		108	70	130			

Sample ID: 2301A83-002ams	d SampT	ype: MS	SD	TestCode: EPA Method 8021B: Volatiles												
Client ID: BES23-20 4'	Batch	ID: 72 8	381	F	RunNo: 9											
Prep Date: 1/28/2023	Analysis D	ate: 1/3	30/2023	S	SeqNo: 3	405666	Units: mg/K	g								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Benzene	0.92	0.025	0.9804	0	93.7	68.8	120	1.54	20							
Toluene	0.94	0.049	0.9804	0	95.7	73.6	124	2.33	20							
Ethylbenzene	0.94	0.049	0.9804	0	96.2	72.7	129	2.52	20							
Xylenes, Total	2.8	0.098	2.941	0	96.8	75.7	126	2.57	20							
Surr: 4-Bromofluorobenzene	1.1		0.9804		107	70	130	0	0							

Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

2. How was the sample delivered? Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C Yes ✓ No □ 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes □ No □ 10. Were any sample containers received broken? *# of preservative added to bottles? # of preservative added to preserved?	RcptNo: 1
Completed By: Tracy Casarrubias 1/28/2023 10:11:54 AM Reviewed By:	
Chain of Custody 1. Is Chain of Custody complete? 2. How was the sample delivered? Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken?	
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2. How was the sample delivered? Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C Yes ✓ No □ 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes □ No □ 10. Were any sample containers received broken? *# of preservative added to bottles? # of preservative added to preserved? # of preservative added to preserved? # of preservative added to preserved? # of preserved.	
Log In 3. Was an attempt made to cool the samples? 4. Were all samples received at a temperature of >0° C to 6.0°C Yes ✓ No □ 5. Sample(s) in proper container(s)? 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes □ No □ # of preservative and preserved in the p	esent 🗌
3. Was an attempt made to cool the samples? Yes ✓ No ☐ 4. Were all samples received at a temperature of >0° C to 6.0°C Yes ✓ No ☐ 5. Sample(s) in proper container(s)? Yes ✓ No ☐ 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? Yes ☐ No ✓ 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ # of preservative and preserved in the preserv	
5. Sample(s) in proper container(s)? Yes V No C 6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No V 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No V # of preservative and Property Preserved? Yes No P # of preservative and Property Preserved? Yes No P # of preserved?	na 🗆
6. Sufficient sample volume for indicated test(s)? 7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? Yes No No # of preservative.	NA 🗆
7. Are samples (except VOA and ONG) properly preserved? 8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? Yes No 9 # of preserved? No 9 # of preserved? No 9 # of preserved? Yes No 9 # of preserved? Yes No 9 # of preserved? # of preserved? Yes No 9	
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8. Was preservative added to bottles? 9. Received at least 1 vial with headspace <1/4" for AQ VOA? 10. Were any sample containers received broken? Yes No 1 # of preservative added to bottles?	
10. Were any sample containers received broken? Yes □ # of prese	NA 🗆
# of prese	NA 🗹
bottles ch for pH:	ecked (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody? Yes ☑ No ☐ Adj	usted?
13. Is it clear what analyses were requested? Yes ✓ No □	. (10.0
14. Were all holding times able to be met? (If no, notify customer for authorization.)	cked by: TML 1/25/23
Special Handling (if applicable)	
15. Was client notified of all discrepancies with this order?	NA 🗹
Person Notified: Date:	
By Whom: Via: eMail Phone Fax In Pers	on
Regarding:	
Client Instructions:	
16. Additional remarks:	
17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By	
1 3.4 Good Yes	

Received by OCD: 4/20/2023 9:16:46 AM

HAII FNVTRONMENTAL	ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	†OS	3O / WF	\$08\8 \$08\8 (1.40 \$728 10 \$ \$00 .6	GFR S10 S10 S10 S10 S10 S10 S10 S10 S10 S10	15D estideth y 83 y 83 3r, 1 AOM	8081 P6 (M EDB (M PAHs b RCRA 8 (A) (5) B \$260 (V	>												Remarks: Direct bill to : EOG	Time: Refinquished by: Received by: Via: colin. Date Time 3:00 CC: SMCLasty Qveltex.Ca. pg 1 of 1
Turn-Around Time:	□ Standard © Rush 48 hr	Project Name:	Dayton ER Battery		22E-00123	Project Manager:	Chance Dixon	Sampler: SM) On ice: 12 Yes DNo months	olers:	Cooler Temp(induding CF): 33+01-34 (°C)	Container Preservative HEAL No. Type and # Type		000	003	000	000	2000	という	900	000	010	011	1001	Received by: Via: Date Time	Received by: Via: collが Date Time お: 01の との
Chain-of-Custody Record			Mailing Address:		Phone #:	email or Fax#:	QA/QC Package: □ Standard □ Level 4 (Full Validation)	☐ Az Compliance ☐ Other			Date Time Matrix Sample Name	1/26/23 9 37 Soil BE523-19 4'		10:07 RES23-21 4'	10:14 BES23-22 4"	~	10:29 BES23-24 4'	7	10-44 BES 27-26 41	10:47 BES23-27 4'	10.52 BES23-28 4'	10.57 1855.3-29 41	523-30 V	7	Date: Relinquished by:

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated Released to Imaging: \$71/2023 9:59:25 AM



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

February 06, 2023

Chance Dixon
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Dayton ER Battery OrderNo.: 2301B20

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 8 sample(s) on 1/31/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-31 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/27/2023 10:00:00 AM

 Lab ID:
 2301B20-001
 Matrix: SOIL
 Received Date: 1/31/2023 10:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	240	60	mg/Kg	20	2/1/2023 9:33:47 PM	72950
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/1/2023 11:13:19 AM	72922
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/1/2023 11:13:19 AM	72922
Surr: DNOP	132	69-147	%Rec	1	2/1/2023 11:13:19 AM	72922
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/1/2023 10:42:21 AM	72920
Surr: BFB	103	37.7-212	%Rec	1	2/1/2023 10:42:21 AM	72920
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.024	mg/Kg	1	2/1/2023 10:42:21 AM	72920
Toluene	ND	0.048	mg/Kg	1	2/1/2023 10:42:21 AM	72920
Ethylbenzene	ND	0.048	mg/Kg	1	2/1/2023 10:42:21 AM	72920
Xylenes, Total	ND	0.095	mg/Kg	1	2/1/2023 10:42:21 AM	72920
Surr: 4-Bromofluorobenzene	93.7	70-130	%Rec	1	2/1/2023 10:42:21 AM	72920

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

8 % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 1 of 12

Date Reported: 2/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-32 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/27/2023 10:08:00 AM

 Lab ID:
 2301B20-002
 Matrix: SOIL
 Received Date: 1/31/2023 10:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	180	60	mg/Kg	20	2/1/2023 10:11:01 PM	72950
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/1/2023 11:24:04 AM	72922
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/1/2023 11:24:04 AM	72922
Surr: DNOP	108	69-147	%Rec	1	2/1/2023 11:24:04 AM	72922
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/1/2023 11:05:45 AM	72920
Surr: BFB	101	37.7-212	%Rec	1	2/1/2023 11:05:45 AM	72920
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.024	mg/Kg	1	2/1/2023 11:05:45 AM	72920
Toluene	ND	0.048	mg/Kg	1	2/1/2023 11:05:45 AM	72920
Ethylbenzene	ND	0.048	mg/Kg	1	2/1/2023 11:05:45 AM	72920
Xylenes, Total	ND	0.096	mg/Kg	1	2/1/2023 11:05:45 AM	72920
Surr: 4-Bromofluorobenzene	90.4	70-130	%Rec	1	2/1/2023 11:05:45 AM	72920

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

QL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 12

Date Reported: 2/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES23-33 4' **CLIENT: EOG**

Project: Dayton ER Battery **Collection Date:** 1/27/2023 10:38:00 AM Lab ID: 2301B20-003 Matrix: SOIL Received Date: 1/31/2023 10:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	360	60	mg/Kg	20	2/1/2023 11:13:04 PM	72950
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/1/2023 11:34:46 AM	72922
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/1/2023 11:34:46 AM	72922
Surr: DNOP	111	69-147	%Rec	1	2/1/2023 11:34:46 AM	72922
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/1/2023 11:29:15 AM	72920
Surr: BFB	104	37.7-212	%Rec	1	2/1/2023 11:29:15 AM	72920
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.024	mg/Kg	1	2/1/2023 11:29:15 AM	72920
Toluene	ND	0.049	mg/Kg	1	2/1/2023 11:29:15 AM	72920
Ethylbenzene	ND	0.049	mg/Kg	1	2/1/2023 11:29:15 AM	72920
Xylenes, Total	ND	0.098	mg/Kg	1	2/1/2023 11:29:15 AM	72920
Surr: 4-Bromofluorobenzene	94.1	70-130	%Rec	1	2/1/2023 11:29:15 AM	72920

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 3 of 12

Date Reported: 2/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-34 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/27/2023 10:44:00 AM

 Lab ID:
 2301B20-004
 Matrix: SOIL
 Received Date: 1/31/2023 10:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	280	60	mg/Kg	20	2/1/2023 11:25:29 PM	72950
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/1/2023 11:45:31 AM	72922
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/1/2023 11:45:31 AM	72922
Surr: DNOP	109	69-147	%Rec	1	2/1/2023 11:45:31 AM	72922
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/1/2023 11:52:45 AM	72920
Surr: BFB	104	37.7-212	%Rec	1	2/1/2023 11:52:45 AM	72920
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.024	mg/Kg	1	2/1/2023 11:52:45 AM	72920
Toluene	ND	0.048	mg/Kg	1	2/1/2023 11:52:45 AM	72920
Ethylbenzene	ND	0.048	mg/Kg	1	2/1/2023 11:52:45 AM	72920
Xylenes, Total	ND	0.095	mg/Kg	1	2/1/2023 11:52:45 AM	72920
Surr: 4-Bromofluorobenzene	92.7	70-130	%Rec	1	2/1/2023 11:52:45 AM	72920

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 4 of 12

Date Reported: 2/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-35 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/27/2023 10:50:00 AM

 Lab ID:
 2301B20-005
 Matrix: SOIL
 Received Date: 1/31/2023 10:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	200	60	mg/Kg	20	2/1/2023 11:37:53 PM	72950
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/1/2023 11:56:13 AM	72922
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/1/2023 11:56:13 AM	72922
Surr: DNOP	104	69-147	%Rec	1	2/1/2023 11:56:13 AM	72922
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/1/2023 12:16:19 PM	72920
Surr: BFB	106	37.7-212	%Rec	1	2/1/2023 12:16:19 PM	72920
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.025	mg/Kg	1	2/1/2023 12:16:19 PM	72920
Toluene	ND	0.050	mg/Kg	1	2/1/2023 12:16:19 PM	72920
Ethylbenzene	ND	0.050	mg/Kg	1	2/1/2023 12:16:19 PM	72920
Xylenes, Total	ND	0.099	mg/Kg	1	2/1/2023 12:16:19 PM	72920
Surr: 4-Bromofluorobenzene	95.3	70-130	%Rec	1	2/1/2023 12:16:19 PM	72920

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
- 8 % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 12

Date Reported: 2/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-36 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/27/2023 10:55:00 AM

 Lab ID:
 2301B20-006
 Matrix: SOIL
 Received Date: 1/31/2023 10:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	280	60	mg/Kg	20	2/1/2023 11:50:17 PM	72950
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/1/2023 12:06:54 PM	72922
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/1/2023 12:06:54 PM	72922
Surr: DNOP	106	69-147	%Rec	1	2/1/2023 12:06:54 PM	72922
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/1/2023 12:39:45 PM	72920
Surr: BFB	106	37.7-212	%Rec	1	2/1/2023 12:39:45 PM	72920
EPA METHOD 8021B: VOLATILES					Analyst	: JJP
Benzene	ND	0.024	mg/Kg	1	2/1/2023 12:39:45 PM	72920
Toluene	ND	0.048	mg/Kg	1	2/1/2023 12:39:45 PM	72920
Ethylbenzene	ND	0.048	mg/Kg	1	2/1/2023 12:39:45 PM	72920
Xylenes, Total	ND	0.096	mg/Kg	1	2/1/2023 12:39:45 PM	72920
Surr: 4-Bromofluorobenzene	95.0	70-130	%Rec	1	2/1/2023 12:39:45 PM	72920

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 6 of 12

Date Reported: 2/6/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES23-37 4' **CLIENT: EOG**

Project: Dayton ER Battery **Collection Date:** 1/27/2023 11:15:00 AM Lab ID: 2301B20-007 Matrix: SOIL Received Date: 1/31/2023 10:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	240	60	mg/Kg	20	2/2/2023 12:02:42 AM	72950
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	570	9.8	mg/Kg	1	2/2/2023 12:42:47 PM	72922
Motor Oil Range Organics (MRO)	670	49	mg/Kg	1	2/2/2023 12:42:47 PM	72922
Surr: DNOP	110	69-147	%Rec	1	2/2/2023 12:42:47 PM	72922
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/1/2023 1:03:21 PM	72920
Surr: BFB	108	37.7-212	%Rec	1	2/1/2023 1:03:21 PM	72920
EPA METHOD 8021B: VOLATILES					Analyst	:: JJP
Benzene	ND	0.024	mg/Kg	1	2/1/2023 1:03:21 PM	72920
Toluene	ND	0.049	mg/Kg	1	2/1/2023 1:03:21 PM	72920
Ethylbenzene	ND	0.049	mg/Kg	1	2/1/2023 1:03:21 PM	72920
Xylenes, Total	ND	0.097	mg/Kg	1	2/1/2023 1:03:21 PM	72920
Surr: 4-Bromofluorobenzene	97.2	70-130	%Rec	1	2/1/2023 1:03:21 PM	72920

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 7 of 12

Date Reported: 2/6/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-38 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/27/2023 11:19:00 AM

 Lab ID:
 2301B20-008
 Matrix: SOIL
 Received Date: 1/31/2023 10:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1300	60	mg/Kg	20	2/2/2023 12:15:06 AM	72950
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: DGH
Diesel Range Organics (DRO)	21	9.0	mg/Kg	1	2/1/2023 12:17:32 PM	72922
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/1/2023 12:17:32 PM	72922
Surr: DNOP	110	69-147	%Rec	1	2/1/2023 12:17:32 PM	72922
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/1/2023 1:27:03 PM	72920
Surr: BFB	105	37.7-212	%Rec	1	2/1/2023 1:27:03 PM	72920
EPA METHOD 8021B: VOLATILES					Analyst	:: JJP
Benzene	ND	0.024	mg/Kg	1	2/1/2023 1:27:03 PM	72920
Toluene	ND	0.048	mg/Kg	1	2/1/2023 1:27:03 PM	72920
Ethylbenzene	ND	0.048	mg/Kg	1	2/1/2023 1:27:03 PM	72920
Xylenes, Total	ND	0.096	mg/Kg	1	2/1/2023 1:27:03 PM	72920
Surr: 4-Bromofluorobenzene	94.3	70-130	%Rec	1	2/1/2023 1:27:03 PM	72920

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

% Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 8 of 12

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301B20** *06-Feb-23*

Client: EOG

Project: Dayton ER Battery

Sample ID: LCS-72950 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72950 RunNo: 94351

Prep Date: 2/1/2023 Analysis Date: 2/1/2023 SeqNo: 3408529 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 98.5 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 9 of 12

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301B20 06-Feb-23**

Client: EOG

Project: Dayton ER Battery

Sample ID: LCS-72922 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 72922 RunNo: 94350

Prep Date: 1/31/2023 Analysis Date: 2/1/2023 SeqNo: 3408369 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 10 0 85.5 61.9 43 50.00 130 Surr: DNOP 5.4 5.000 108 147

Sample ID: MB-72922 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 72922 RunNo: 94350

Prep Date: 1/31/2023 Analysis Date: 2/1/2023 SeqNo: 3408373 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) ND 10

 Motor Oil Range Organics (MRO)
 ND
 50

 Surr: DNOP
 9.6
 10.00
 96.2
 69
 147

Qualifiers:

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

Page 10 of 12

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301B20**

06-Feb-23

Client: EOG

Project: Dayton ER Battery

Sample ID: LCS-72920 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 72920 RunNo: 94333

Prep Date: 1/31/2023 Analysis Date: 2/1/2023 SeqNo: 3407444 Units: mg/Kg

%RPD Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Gasoline Range Organics (GRO) 25.00 0 72.3 28 5.0 110 137 Surr: BFB 1100 1000 37.7 212

Sample ID: mb-72920 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 72920 RunNo: 94333

Prep Date: 1/31/2023 Analysis Date: 2/1/2023 SeqNo: 3407445 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 102 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 11 of 12

Hall Environmental Analysis Laboratory, Inc.

WO#: **2301B20**

 $06 ext{-}Feb ext{-}23$

Client: EOG

Project: Dayton ER Battery

Sample ID: Ics-72920	Samp	Гуре: LC	S	Tes	tCode: EF	PA Method	8021B: Volati	les		
Client ID: LCSS	Batcl	h ID: 72 9	920	F	RunNo: 94	4333				
Prep Date: 1/31/2023	Analysis [Date: 2/ *	1/2023	5	SeqNo: 34	407456	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.6	80	120			
Toluene	0.94	0.050	1.000	0	93.6	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.0	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.5	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		94.1	70	130			

Sample ID: mb-72920	Samp	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volati	les		
Client ID: PBS	Batcl	n ID: 72 9	920	F	RunNo: 94	4333				
Prep Date: 1/31/2023	Analysis [Date: 2/	1/2023	9	SeqNo: 34	407457	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	0.93		1.000		93.4	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 12 of 12

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

					
Client Name: EOG	Work Order Num	nber: 2301B20		RcptNo:	1
Received By: Juan Rojas	1/31/2023 10:45:0	0 AM	Graning &		
Completed By: Desiree Dominguez	1/31/2023 8:47:33	AM	Topa		
Reviewed By: フル リ31/23					
Chain of Custody				_	
1. Is Chain of Custody complete?		Yes 🗌	No 🗹	Not Present	
2. How was the sample delivered?		<u>Courier</u>			
Log In 3. Was an attempt made to cool the sample	ac?	Yes 🗹	No 🗌	na 🗆	
o. Was an attempt made to cool the sample	5 5 :	103 🖭			
4. Were all samples received at a temperate	ure of >0° C to 6.0°C	Yes 🗹	No 🗌	NA \square	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated tes	st(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) proj	perly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with headspace <	:1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sample containers received br	oken?	Yes 🗀	No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗆	bottles checked for pH:	>12 unless noted)
12. Are matrices correctly identified on Chain		Yes 🗹	No 🗆	Adjusted?	
13. Is it clear what analyses were requested?		Yes 🗹	No 🗆		var 1 210
14. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:	(Ph. 1-31-2
Special Handling (if applicable)		_		_	
15. Was client notified of all discrepancies w	rith this order?	Yes 🗌	No 🗌	NA 🗹	7
Person Notified:	Date	e:			
By Whom:	Via:	eMail	Phone Fax	☐ In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
Missing client information on COC	DAD 1/31/23				
17. Cooler Information	Code Code	1002002000	THE CONTROL OF THE		
Cooler No Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By		
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Chain-of-Custody Record		Ď				2	3		1		5	2	ENVIDONMENTA		
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	Project#:		`	•	Tel. 505-345-3975	5-34	5-397		Fax	Fax 505-345-4107	345-4	107	. THE		
Phone #:	72E-	00123						Ana	Analysis Request	Requ	est				
email or Fax#:	Project Manager:	er:			10			709			(ju	_	THE COLUMN	_	
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Date Time Matrix Sample Name	Container F	Preservative Tvpe	7.301620	(EX)	9081 P	EDB (N	d sHAc	3CRA 8	v) 0928	S) 07 <u>2</u> 8	Total C	34 35			
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Released to Imaging: 5/1/2023 9:59:25 AM



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

February 07, 2023

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

FAX

RE: Dayton ER Battery OrderNo.: 2302003

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 13 sample(s) on 2/1/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-39 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 9:28:00 AM

 Lab ID:
 2302003-001
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/3/2023 2:51:56 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/3/2023 2:51:56 PM
Surr: DNOP	115	69-147	%Rec	1	2/3/2023 2:51:56 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/2/2023 3:51:04 PM
Surr: BFB	105	37.7-212	%Rec	1	2/2/2023 3:51:04 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/2/2023 3:51:04 PM
Toluene	ND	0.048	mg/Kg	1	2/2/2023 3:51:04 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/2/2023 3:51:04 PM
Xylenes, Total	ND	0.095	mg/Kg	1	2/2/2023 3:51:04 PM
Surr: 4-Bromofluorobenzene	95.4	70-130	%Rec	1	2/2/2023 3:51:04 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	330	60	mg/Kg	20	2/1/2023 6:53:56 PM

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

Qualifiers:

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

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Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: BES23-40 4'

Project: Dayton ER Battery Collection Date: 1/30/2023 9:53:00 AM 2302003-002 Lab ID: Matrix: SOIL Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE (ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/3/2023 3:02:28 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/3/2023 3:02:28 PM
Surr: DNOP	110	69-147	%Rec	1	2/3/2023 3:02:28 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/2/2023 4:14:46 PM
Surr: BFB	105	37.7-212	%Rec	1	2/2/2023 4:14:46 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/2/2023 4:14:46 PM
Toluene	ND	0.049	mg/Kg	1	2/2/2023 4:14:46 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/2/2023 4:14:46 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/2/2023 4:14:46 PM
Surr: 4-Bromofluorobenzene	93.3	70-130	%Rec	1	2/2/2023 4:14:46 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	1100	59	mg/Kg	20	2/1/2023 7:32:33 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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value Ε

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 2 of 17

Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-41 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 9:57:00 AM

 Lab ID:
 2302003-003
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/3/2023 3:13:00 PM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/3/2023 3:13:00 PM
Surr: DNOP	139	69-147	%Rec	1	2/3/2023 3:13:00 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/2/2023 4:38:25 PM
Surr: BFB	101	37.7-212	%Rec	1	2/2/2023 4:38:25 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/2/2023 4:38:25 PM
Toluene	ND	0.048	mg/Kg	1	2/2/2023 4:38:25 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/2/2023 4:38:25 PM
Xylenes, Total	ND	0.095	mg/Kg	1	2/2/2023 4:38:25 PM
Surr: 4-Bromofluorobenzene	91.0	70-130	%Rec	1	2/2/2023 4:38:25 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	1700	60	mg/Kg	20	2/1/2023 7:45:25 PM

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

Qualifiers:

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

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Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-42 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 10:01:00 AM

 Lab ID:
 2302003-004
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	ıal Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: DGH
Diesel Range Organics (DRO)	13	9.2	mg/Kg	1	2/3/2023 3:23:32 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/3/2023 3:23:32 PM
Surr: DNOP	98.2	69-147	%Rec	1	2/3/2023 3:23:32 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/2/2023 5:02:01 PM
Surr: BFB	101	37.7-212	%Rec	1	2/2/2023 5:02:01 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/2/2023 5:02:01 PM
Toluene	ND	0.049	mg/Kg	1	2/2/2023 5:02:01 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/2/2023 5:02:01 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/2/2023 5:02:01 PM
Surr: 4-Bromofluorobenzene	91.3	70-130	%Rec	1	2/2/2023 5:02:01 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	390	60	mg/Kg	20	2/1/2023 7:58:17 PM

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

Qualifiers:

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

ple pH Not In Range
Orting Limit Page 4 of 17

Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-43 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 10:14:00 AM

 Lab ID:
 2302003-005
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	19	9.1	mg/Kg	1	2/3/2023 11:09:49 AM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/3/2023 11:09:49 AM
Surr: DNOP	115	69-147	%Rec	1	2/3/2023 11:09:49 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/2/2023 5:25:39 PM
Surr: BFB	105	37.7-212	%Rec	1	2/2/2023 5:25:39 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/2/2023 5:25:39 PM
Toluene	ND	0.047	mg/Kg	1	2/2/2023 5:25:39 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/2/2023 5:25:39 PM
Xylenes, Total	ND	0.095	mg/Kg	1	2/2/2023 5:25:39 PM
Surr: 4-Bromofluorobenzene	95.6	70-130	%Rec	1	2/2/2023 5:25:39 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	320	59	mg/Kg	20	2/1/2023 8:11:08 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

e pH Not In Range ting Limit Page 5 of 17

Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-44 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 10:18:00 AM

 Lab ID:
 2302003-006
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	26	9.3	mg/Kg	1	2/3/2023 11:20:19 AM
Motor Oil Range Organics (MRO)	67	47	mg/Kg	1	2/3/2023 11:20:19 AM
Surr: DNOP	114	69-147	%Rec	1	2/3/2023 11:20:19 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/2/2023 5:49:20 PM
Surr: BFB	102	37.7-212	%Rec	1	2/2/2023 5:49:20 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/2/2023 5:49:20 PM
Toluene	ND	0.049	mg/Kg	1	2/2/2023 5:49:20 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/2/2023 5:49:20 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/2/2023 5:49:20 PM
Surr: 4-Bromofluorobenzene	92.1	70-130	%Rec	1	2/2/2023 5:49:20 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	610	60	mg/Kg	20	2/1/2023 8:24:00 PM

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

Qualifiers:

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

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Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-45 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 12:43:00 PM

 Lab ID:
 2302003-007
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: DGH
Diesel Range Organics (DRO)	15	9.5	mg/Kg	1	2/3/2023 3:34:04 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/3/2023 3:34:04 PM
Surr: DNOP	110	69-147	%Rec	1	2/3/2023 3:34:04 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/2/2023 6:12:59 PM
Surr: BFB	103	37.7-212	%Rec	1	2/2/2023 6:12:59 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/2/2023 6:12:59 PM
Toluene	ND	0.047	mg/Kg	1	2/2/2023 6:12:59 PM
Ethylbenzene	ND	0.047	mg/Kg	1	2/2/2023 6:12:59 PM
Xylenes, Total	ND	0.094	mg/Kg	1	2/2/2023 6:12:59 PM
Surr: 4-Bromofluorobenzene	92.2	70-130	%Rec	1	2/2/2023 6:12:59 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	760	60	mg/Kg	20	2/1/2023 8:36:52 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

QL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

e pH Not In Range ting Limit Page 7 of 17

Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-46 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 12:46:00 PM

 Lab ID:
 2302003-008
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	13	9.5	mg/Kg	1	2/3/2023 10:38:08 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/3/2023 10:38:08 AM
Surr: DNOP	111	69-147	%Rec	1	2/3/2023 10:38:08 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/2/2023 7:00:25 PM
Surr: BFB	107	37.7-212	%Rec	1	2/2/2023 7:00:25 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/2/2023 7:00:25 PM
Toluene	ND	0.049	mg/Kg	1	2/2/2023 7:00:25 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/2/2023 7:00:25 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/2/2023 7:00:25 PM
Surr: 4-Bromofluorobenzene	97.2	70-130	%Rec	1	2/2/2023 7:00:25 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	1200	60	mg/Kg	20	2/1/2023 8:49:44 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-47 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 12:54:00 PM

 Lab ID:
 2302003-009
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	24	9.9	mg/Kg	1	2/3/2023 11:30:52 AM
Motor Oil Range Organics (MRO)	60	49	mg/Kg	1	2/3/2023 11:30:52 AM
Surr: DNOP	114	69-147	%Rec	1	2/3/2023 11:30:52 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/2/2023 7:24:04 PM
Surr: BFB	106	37.7-212	%Rec	1	2/2/2023 7:24:04 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/2/2023 7:24:04 PM
Toluene	ND	0.048	mg/Kg	1	2/2/2023 7:24:04 PM
Ethylbenzene	ND	0.048	mg/Kg	1	2/2/2023 7:24:04 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/2/2023 7:24:04 PM
Surr: 4-Bromofluorobenzene	95.9	70-130	%Rec	1	2/2/2023 7:24:04 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	950	60	mg/Kg	20	2/1/2023 9:02:37 PM

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

Qualifiers:

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

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Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-48 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 12:48:00 PM

 Lab ID:
 2302003-010
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/3/2023 10:48:44 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/3/2023 10:48:44 AM
Surr: DNOP	131	69-147	%Rec	1	2/3/2023 10:48:44 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/2/2023 7:47:41 PM
Surr: BFB	102	37.7-212	%Rec	1	2/2/2023 7:47:41 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/2/2023 7:47:41 PM
Toluene	ND	0.049	mg/Kg	1	2/2/2023 7:47:41 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/2/2023 7:47:41 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/2/2023 7:47:41 PM
Surr: 4-Bromofluorobenzene	92.3	70-130	%Rec	1	2/2/2023 7:47:41 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	290	60	mg/Kg	20	2/1/2023 9:15:28 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-49 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 1:03:00 PM

 Lab ID:
 2302003-011
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/3/2023 10:59:20 AM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/3/2023 10:59:20 AM
Surr: DNOP	116	69-147	%Rec	1	2/3/2023 10:59:20 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/2/2023 8:11:13 PM
Surr: BFB	105	37.7-212	%Rec	1	2/2/2023 8:11:13 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/2/2023 8:11:13 PM
Toluene	ND	0.049	mg/Kg	1	2/2/2023 8:11:13 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/2/2023 8:11:13 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/2/2023 8:11:13 PM
Surr: 4-Bromofluorobenzene	96.0	70-130	%Rec	1	2/2/2023 8:11:13 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	110	60	mg/Kg	20	2/1/2023 9:28:20 PM

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

Qualifiers:

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

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Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-50 4'

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 1:08:00 PM

 Lab ID:
 2302003-012
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	170	9.7	mg/Kg	1	2/3/2023 11:41:20 AM
Motor Oil Range Organics (MRO)	140	49	mg/Kg	1	2/3/2023 11:41:20 AM
Surr: DNOP	122	69-147	%Rec	1	2/3/2023 11:41:20 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/2/2023 8:34:48 PM
Surr: BFB	103	37.7-212	%Rec	1	2/2/2023 8:34:48 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/2/2023 8:34:48 PM
Toluene	ND	0.050	mg/Kg	1	2/2/2023 8:34:48 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/2/2023 8:34:48 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/2/2023 8:34:48 PM
Surr: 4-Bromofluorobenzene	93.4	70-130	%Rec	1	2/2/2023 8:34:48 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	610	60	mg/Kg	20	2/1/2023 10:06:56 PM

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

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

 $ND \qquad Not \ Detected \ at \ the \ Reporting \ Limit$

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 12 of 17

Date Reported: 2/7/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES23-191

 Project:
 Dayton ER Battery
 Collection Date: 1/30/2023 11:30:00 AM

 Lab ID:
 2302003-013
 Matrix: SOIL
 Received Date: 2/1/2023 8:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	14	9.7	mg/Kg	1	2/3/2023 11:51:50 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/3/2023 11:51:50 AM
Surr: DNOP	126	69-147	%Rec	1	2/3/2023 11:51:50 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/2/2023 8:58:22 PM
Surr: BFB	104	37.7-212	%Rec	1	2/2/2023 8:58:22 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/2/2023 8:58:22 PM
Toluene	ND	0.049	mg/Kg	1	2/2/2023 8:58:22 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/2/2023 8:58:22 PM
Xylenes, Total	ND	0.098	mg/Kg	1	2/2/2023 8:58:22 PM
Surr: 4-Bromofluorobenzene	95.1	70-130	%Rec	1	2/2/2023 8:58:22 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	350	60	mg/Kg	20	2/1/2023 10:19:48 PM

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

Qualifiers:

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

Page 13 of 17

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302003**

07-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-72955 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 72955 RunNo: 94345

Prep Date: 2/1/2023 Analysis Date: 2/1/2023 SeqNo: 3408126 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-72955 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 72955 RunNo: 94345

Prep Date: 2/1/2023 Analysis Date: 2/1/2023 SeqNo: 3408127 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.4 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 14 of 17

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302003 07-Feb-23**

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-72937 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 72937 RunNo: 94358

Prep Date: 2/1/2023 Analysis Date: 2/2/2023 SeqNo: 3408807 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) 45 10 50.00 0 89.8 61.9 130

 Diesel Range Organics (DRO)
 45
 10
 50.00
 0
 89.8
 61.9
 130

 Surr: DNOP
 5.1
 5.000
 102
 69
 147

Sample ID: MB-72937 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 72937 RunNo: 94358

Prep Date: 2/1/2023 Analysis Date: 2/2/2023 SeqNo: 3408812 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 10
Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 9.6 10.00 96.4 69 147

Qualifiers:

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

Page 15 of 17

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302003**

07-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-72935 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 72935 RunNo: 94356

Prep Date: 2/1/2023 Analysis Date: 2/2/2023 SeqNo: 3408765 Units: mg/Kg

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

 Gasoline Range Organics (GRO)
 28
 5.0
 25.00
 0
 114
 72.3
 137

 Surr: BFB
 1200
 1000
 117
 37.7
 212

Sample ID: mb-72935 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 72935 RunNo: 94356

Prep Date: 2/1/2023 Analysis Date: 2/2/2023 SeqNo: 3408766 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 106 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 16 of 17

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302003**

07-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-72935	•	Type: LC					8021B: Vola	iles		
Client ID: LCSS Prep Date: 2/1/2023	Batci Analysis D	h ID: 72 9 Date: 2 /			RunNo: 9 BegNo: 3		Units: mg/k	(a		
•	,						J	J	DDDI imit	Ougl
Analyte Benzene	Result 0.87	PQL 0.025	1.000	SPK Ref Val	%REC 86.6	LowLimit 80	HighLimit 120	%RPD	RPDLimit	Qual
Toluene	0.89	0.050	1.000	0	88.9	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.2	80	120			
Xylenes, Total	2.7	0.10	3.000	0	88.7	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.0	70	130			

Sample ID: mb-72935	Samp	Гуре: М І	BLK	Tes	tCode: E	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batc	h ID: 72	935	F	RunNo: 9	4356				
Prep Date: 2/1/2023	Analysis [Date: 2/	/2/2023	8	SeqNo: 3	408774	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		96.5	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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 17 of 17



Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

Client Name:	Vertex Res Services, In		Work	Order Numb	per: 2302003		RcptNo	: 1
Received By:	Cheyenne	Cason	2/1/202	3 8:00:00 AI	м	Chenl		
Completed By:	Cheyenne	Cason	2/1/202	3 8:15:34 AI	М	Cheul		
Reviewed By:	f121.23							
Chain of Cus	<u>tody</u>							
1. Is Chain of Cu	ustody comp	lete?			Yes 🗸	No 🗌	Not Present \square	
2. How was the	sample deliv	ered?			Courier			
Log In								
3. Was an attem	pt made to o	ool the samp	les?		Yes 🗹	No 🗌	na 🗆	
4. Were all samp	oles received	at a tempera	ture of >0° C	to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in p	oroper contai	ner(s)?			Yes 🗹	No 🗌		
6. Sufficient sam	ple volume f	or indicated te	est(s)?		Yes 🗹	No 🗌		
7. Are samples (except VOA	and ONG) pro	perly preserve	ed?	Yes 🗹	No 🗌		
8. Was preserval	tive added to	bottles?			Yes 🗌	No 🗹	na 🗌	
9. Received at le	ast 1 vial wit	h headspace	<1/4" for AQ \	OA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any san	nple containe	ers received b	roken?		Yes	No 🗹	# of preserved	
44 -						🗆	bottles checked	
Does paperwo (Note discrepa)		Yes 🗹	No 🗌	for pH:	r >12 unless noted)
12. Are matrices o		-			Yes 🗹	No 🗌	Adjusted?	
13. Is it clear what	analyses we	ere requested	?		Yes 🗹	No 🗆		
14. Were all holdir (If no, notify cu	-				Yes 🗹	No 🗆	Checked by:	Me 2/1/23
Special Handli		ŕ				-/		
15. Was client no			vith this order?	,	Yes 🗌	, No □	NA 🗹	
Person	Notified:			Date:				
By Who	m:			Via:	eMail	Phone Fax	☐ In Person	
Regardi	ng:						A COMMITTEE OF THE PARTY OF THE	
Client In	structions:					-		
16. Additional rer	marks:							=
17. Cooler Infor	mation							
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited Released to Imaging: 5/1/2023 9:59.25 AM

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Chain-of-Custody Record	Turn-Around Time:	HAII FNVTRONMENTAL
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		www.hallenvironmental.com
Mailing Address: On £7 (c.	Dayton ER Batter	4901 Hawkins NE - Albuquerque, NM 87109
		Tel. 505-345-3975 Fax 505-345-4107
Phone #:	22E-00123	Analysis Requ
email or Fax#:	Project Manager:	*OS
QA/QC Package: Call Validation	Charge Doon	OSIMS LCB,
☐ Az Compliance ☐ Other	Sampler: SM On Ice:	\$08\s (1.400) (1.400) \$2 \$2 \$3 \$4 \$2 \$4 \$2 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4 \$4
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Date Time Matrix Sample Name	Container Preservative HEAL No.	### PAHS #### PAHS ### PAHS ### PAHS ##
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data.



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

February 10, 2023

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

FAX

RE: Dayton ER Battery OrderNo.: 2302138

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 7 sample(s) on 2/3/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-51 4'

 Project:
 Dayton ER Battery
 Collection Date: 2/1/2023 10:24:00 AM

 Lab ID:
 2302138-001
 Matrix: SOIL
 Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	470	49	mg/Kg	5	2/6/2023 6:48:03 PM
Motor Oil Range Organics (MRO)	450	250	mg/Kg	5	2/6/2023 6:48:03 PM
Surr: DNOP	128	69-147	%Rec	5	2/6/2023 6:48:03 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/7/2023 11:20:14 AM
Surr: BFB	99.6	37.7-212	%Rec	1	2/7/2023 11:20:14 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/7/2023 11:20:14 AM
Toluene	ND	0.050	mg/Kg	1	2/7/2023 11:20:14 AM
Ethylbenzene	ND	0.050	mg/Kg	1	2/7/2023 11:20:14 AM
Xylenes, Total	ND	0.10	mg/Kg	1	2/7/2023 11:20:14 AM
Surr: 4-Bromofluorobenzene	86.9	70-130	%Rec	1	2/7/2023 11:20:14 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	2100	60	mg/Kg	20	2/4/2023 4:19:14 PM

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

Qualifiers:

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

Page 1 of 14

Date Reported: 2/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-53 4'

Project: Dayton ER Battery
 Collection Date: 2/1/2023 10:35:00 AM

 Lab ID: 2302138-002
 Matrix: SOIL
 Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	68	9.3	mg/Kg	1	2/6/2023 7:26:59 PM
Motor Oil Range Organics (MRO)	87	47	mg/Kg	1	2/6/2023 7:26:59 PM
Surr: DNOP	112	69-147	%Rec	1	2/6/2023 7:26:59 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/7/2023 11:43:45 AM
Surr: BFB	101	37.7-212	%Rec	1	2/7/2023 11:43:45 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/7/2023 11:43:45 AM
Toluene	ND	0.048	mg/Kg	1	2/7/2023 11:43:45 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/7/2023 11:43:45 AM
Xylenes, Total	ND	0.095	mg/Kg	1	2/7/2023 11:43:45 AM
Surr: 4-Bromofluorobenzene	88.2	70-130	%Rec	1	2/7/2023 11:43:45 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	980	60	mg/Kg	20	2/4/2023 4:56:29 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 2 of 14

Date Reported: 2/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-54 4'

Project: Dayton ER Battery
 Collection Date: 2/1/2023 10:40:00 AM

 Lab ID: 2302138-003
 Matrix: SOIL
 Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: SB
Diesel Range Organics (DRO)	1100	48	mg/Kg	5	2/6/2023 8:05:34 PM
Motor Oil Range Organics (MRO)	580	240	mg/Kg	5	2/6/2023 8:05:34 PM
Surr: DNOP	110	69-147	%Rec	5	2/6/2023 8:05:34 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/7/2023 12:07:18 PM
Surr: BFB	111	37.7-212	%Rec	1	2/7/2023 12:07:18 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/7/2023 12:07:18 PM
Toluene	ND	0.049	mg/Kg	1	2/7/2023 12:07:18 PM
Ethylbenzene	ND	0.049	mg/Kg	1	2/7/2023 12:07:18 PM
Xylenes, Total	ND	0.097	mg/Kg	1	2/7/2023 12:07:18 PM
Surr: 4-Bromofluorobenzene	92.0	70-130	%Rec	1	2/7/2023 12:07:18 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	1500	60	mg/Kg	20	2/4/2023 5:33:42 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Not in Range imit Page 3 of 14

Date Reported: 2/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-55 4'

Project: Dayton ER Battery
 Collection Date: 2/1/2023 10:45:00 AM

 Lab ID: 2302138-004
 Matrix: SOIL
 Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: SB
Diesel Range Organics (DRO)	13	9.8	mg/Kg	1	2/6/2023 8:46:39 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/6/2023 8:46:39 PM
Surr: DNOP	113	69-147	%Rec	1	2/6/2023 8:46:39 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/7/2023 12:02:05 AM
Surr: BFB	101	37.7-212	%Rec	1	2/7/2023 12:02:05 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/7/2023 12:02:05 AM
Toluene	ND	0.049	mg/Kg	1	2/7/2023 12:02:05 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/7/2023 12:02:05 AM
Xylenes, Total	ND	0.098	mg/Kg	1	2/7/2023 12:02:05 AM
Surr: 4-Bromofluorobenzene	87.8	70-130	%Rec	1	2/7/2023 12:02:05 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	850	60	mg/Kg	20	2/4/2023 5:46:07 PM

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

Qualifiers:

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

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Date Reported: 2/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-56 4'

 Project:
 Dayton ER Battery
 Collection Date: 2/1/2023 12:06:00 PM

 Lab ID:
 2302138-005
 Matrix: SOIL
 Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/6/2023 9:28:53 PM
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/6/2023 9:28:53 PM
Surr: DNOP	112	69-147	%Rec	1	2/6/2023 9:28:53 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/7/2023 1:12:25 AM
Surr: BFB	101	37.7-212	%Rec	1	2/7/2023 1:12:25 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/7/2023 1:12:25 AM
Toluene	ND	0.048	mg/Kg	1	2/7/2023 1:12:25 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/7/2023 1:12:25 AM
Xylenes, Total	ND	0.095	mg/Kg	1	2/7/2023 1:12:25 AM
Surr: 4-Bromofluorobenzene	90.0	70-130	%Rec	1	2/7/2023 1:12:25 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	920	60	mg/Kg	20	2/4/2023 5:58:32 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range
Orting Limit Page 5 of 14

Date Reported: 2/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-57 4'

 Project:
 Dayton ER Battery
 Collection Date: 2/1/2023 12:11:00 PM

 Lab ID:
 2302138-006
 Matrix: SOIL
 Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/6/2023 9:42:46 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/6/2023 9:42:46 PM
Surr: DNOP	114	69-147	%Rec	1	2/6/2023 9:42:46 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/7/2023 2:22:41 AM
Surr: BFB	102	37.7-212	%Rec	1	2/7/2023 2:22:41 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/7/2023 2:22:41 AM
Toluene	ND	0.049	mg/Kg	1	2/7/2023 2:22:41 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/7/2023 2:22:41 AM
Xylenes, Total	ND	0.098	mg/Kg	1	2/7/2023 2:22:41 AM
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	2/7/2023 2:22:41 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	330	60	mg/Kg	20	2/4/2023 6:35:46 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Date Reported: 2/10/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-58 4'

 Project:
 Dayton ER Battery
 Collection Date: 2/1/2023 12:15:00 PM

 Lab ID:
 2302138-007
 Matrix: SOIL
 Received Date: 2/3/2023 7:25:00 AM

Analyses	Result	RL Q	RL Qual Units		Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE O	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/6/2023 9:56:45 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/6/2023 9:56:45 PM
Surr: DNOP	113	69-147	%Rec	1	2/6/2023 9:56:45 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/7/2023 2:46:07 AM
Surr: BFB	103	37.7-212	%Rec	1	2/7/2023 2:46:07 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/7/2023 2:46:07 AM
Toluene	ND	0.049	mg/Kg	1	2/7/2023 2:46:07 AM
Ethylbenzene	ND	0.049	mg/Kg	1	2/7/2023 2:46:07 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/7/2023 2:46:07 AM
Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	1	2/7/2023 2:46:07 AM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	690	60	mg/Kg	20	2/4/2023 6:48:10 PM

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

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2302138**

10-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-73004 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 73004 RunNo: 94417

Prep Date: 2/4/2023 Analysis Date: 2/4/2023 SeqNo: 3411174 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-73004 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 73004 RunNo: 94417

Prep Date: 2/4/2023 Analysis Date: 2/4/2023 SeqNo: 3411175 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.4 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2302138**

10-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-72997	SampT	ype: LC	S	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch	ID: 72	997	F	lunNo: 9	4419					
Prep Date: 2/3/2023	Analysis D	ate: 2/	/6/2023	S	SeqNo: 3411232			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	40	10	50.00	0	79.4	61.9	130				
Surr: DNOP	4.3		5.000		86.2	69	147				
Sample ID: MB-72997	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: PBS	Batch	ID: 72	997	F	lunNo: 9	4419					
Prep Date: 2/3/2023	Analysis D	ate: 2/	/6/2023	SeqNo: 3411234			Units: mg/h	(g			
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	8.8		10.00		87.7	69	147				
Sample ID: 2302138-004AMS	SampT	уре: М \$	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID: BES23-55 4'	Batch	ID: 72	997	F	tunNo: 9	4420					
Prep Date: 2/3/2023	Analysis D	ate: 2/	/6/2023	S	SeqNo: 3	412531	Units: mg/k	K g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	57	9.6	47.89	13.05	92.2	54.2	135				
Surr: DNOP	5.6		4.789		116	69	147				

Sample ID: 2302138-004AMSD	SampT	SampType: MSD TestCode: E					EPA Method 8015M/D: Diesel Range Organics						
Client ID: BES23-55 4'	Batch	ID: 72 9	997	R	RunNo: 94420								
Prep Date: 2/3/2023	Analysis D	Analysis Date: 2/6/2023 SeqNo: 3412534					Units: mg/K	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	59	9.5	47.35	13.05	97.3	54.2	135	3.23	29.2				
Surr: DNOP	5.4		4.735		114	69	147	0	0				

Sample ID: MB-72991	SampT	уре: МЕ	BLK	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 72991			F	RunNo: 94420							
Prep Date: 2/3/2023	Analysis D	Analysis Date: 2/6/2023			SeqNo: 3415319 Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	11		10.00		114	69	147					

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2302138**

10-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-72991 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **LCSS** Batch ID: **72991** RunNo: **94420**

Prep Date: 2/3/2023 Analysis Date: 2/6/2023 SeqNo: 3415320 Units: mg/Kg

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

 Diesel Range Organics (DRO)
 57
 10
 50.00
 0
 114
 61.9
 130

 Surr: DNOP
 5.7
 5.000
 114
 69
 147

Qualifiers:

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

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2302138**

10-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-72992	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е		
Client ID: LCSS	Batch	ID: 72	992	F	RunNo: 9	4414					
Prep Date: 2/3/2023	Analysis D	ate: 2/	6/2023	\$	SeqNo: 3	411909	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	72.3	137				
Surr: BFB	1100		1000		113	37.7	212				
Sample ID: mb-72992	SampT	SampType: MBLK TestCode: EPA Method						line Rang	е		
Client ID: PBS	Batch	ID: 72	992	F	RunNo: 9	4414					
Prep Date: 2/3/2023	Analysis D	ate: 2/	6/2023	8	SeqNo: 3	411910	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: 2302138-004am	s SampT	ype: M \$	3	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е		
Client ID: BES23-55 4'	Batch	ID: 72	992	F	RunNo: 9	4414					
Prep Date: 2/3/2023	Analysis D	ate: 2/	7/2023	8	SeqNo: 3	411982	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	24	4.9	24.44	0	99.9	70	130				
Surr: BFB	1100		977.5		115	37.7	212				
Sample ID: 2302138-004am	sd SampT	ype: M \$	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e		
Client ID: BES23-55 4'	Batch	ID: 72	992	F	RunNo: 9	4414					
Prep Date: 2/3/2023	Analysis D	ate: 2/	7/2023	5	SegNo: 3	411983	Units: mg/K	(a			

Prep Date: 2/3/2023	Analysis Date: 2/7/2023			9	SeqNo: 3	411983	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	24	4.9	24.44	0	97.1	70	130	2.84	20		
Surr: BFB	1100		977.5		116	37.7	212	0	0		
Sample ID: Ics-72989	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range										

Sample ID: Ics-72989	SampT	ype: LC	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: LCSS	Batch	ID: 72 9	989	R	tunNo: 9	4444				
Prep Date: 2/3/2023	Analysis D	ate: 2/	7/2023	S	SeqNo: 3	412419	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	110	72.3	137			
Surr: BFB	1200		1000		115	37.7	212			

Sample ID: mb-72989	SampType: MBLK	TestCode: EPA Method	8015D: Gasoline Range
Client ID: PBS	Batch ID: 72989	RunNo: 94444	
Prep Date: 2/3/2023	Analysis Date: 2/7/2023	SeqNo: 3412420	Units: mg/Kg
Analyte	Result PQL SPK value S	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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2302138** *10-Feb-23*

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: mb-72989 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 72989 RunNo: 94444

Prep Date: 2/3/2023 Analysis Date: 2/7/2023 SeqNo: 3412420 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 103 37.7 212

Sample ID: Ics-73024 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 73024 RunNo: 94444

Prep Date: 2/6/2023 Analysis Date: 2/7/2023 SeqNo: 3413053 Units: %Rec

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

Surr: BFB 1100 1000 113 37.7 212

Sample ID: mb-73024 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 73024 RunNo: 94444

Prep Date: 2/6/2023 Analysis Date: 2/7/2023 SeqNo: 3413054 Units: %Rec

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

Surr: BFB 1000 1000 104 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: **2302138**

10-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-72992	SampT	ype: LC	S	Tes	tCode: El	PA Method	8021B: Vola	iles		
Client ID: LCSS	Batch	n ID: 72 9	992	F	RunNo: 9	4414				
Prep Date: 2/3/2023	Analysis D	Date: 2/	6/2023	9	SeqNo: 3	412014	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	84.8	80	120			
Toluene	0.86	0.050	1.000	0	85.9	80	120			
Ethylbenzene	0.85	0.050	1.000	0	84.7	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.3	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.5	70	130			

Sample ID: mb-72992	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: 72	992	F	RunNo: 9	4414				
Prep Date: 2/3/2023	Analysis D	ate: 2/	6/2023	8	SeqNo: 3	412015	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	0.90		1.000		90.1	70	130			

Sample ID: 2302138-005ams	Samp ¹	Гуре: М\$	3	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: BES23-56 4'	Batc	h ID: 72	992	F	RunNo: 9	4414				
Prep Date: 2/3/2023	Analysis [Date: 2/	7/2023	8	SeqNo: 3	412018	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.024	0.9479	0	85.3	68.8	120			
Toluene	0.83	0.047	0.9479	0.01930	85.6	73.6	124			
Ethylbenzene	0.83	0.047	0.9479	0	87.8	72.7	129			
Xylenes, Total	2.5	0.095	2.844	0.02738	87.2	75.7	126			
Surr: 4-Bromofluorobenzene	0.85		0.9479		89.2	70	130			

Sample ID: 2302138-005amsc	s SampT	ype: MS	SD	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: BES23-56 4'	Batch	n ID: 72 9	992	F	RunNo: 9	4414				
Prep Date: 2/3/2023	Analysis D	oate: 2/	7/2023	S	SeqNo: 3	412019	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.83	0.024	0.9425	0	88.3	68.8	120	2.89	20	
Toluene	0.86	0.047	0.9425	0.01930	88.9	73.6	124	3.15	20	
Ethylbenzene	0.85	0.047	0.9425	0	90.6	72.7	129	2.67	20	
Xylenes, Total	2.6	0.094	2.828	0.02738	89.5	75.7	126	2.12	20	
Surr: 4-Bromofluorobenzene	0.87		0.9425		92.1	70	130	0	0	

Qualifiers:

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

Page 13 of 14

Hall Environmental Analysis Laboratory, Inc.

0.92

WO#: **2302138**

10-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-72989	Samp	Гуре: LC	:S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: 72 9	989	F	RunNo: 9	4444				
Prep Date: 2/3/2023	Analysis D	Date: 2/	7/2023	\$	SeqNo: 3	412425	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.4	80	120			
Toluene	0.91	0.050	1.000	0	90.5	80	120			
Ethylbenzene	0.90	0.050	1.000	0	89.6	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.0	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.9	70	130			
Sample ID: mb-72989	Samp1	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: 72 9	989	F	RunNo: 9	4444				
Prep Date: 2/3/2023	Analysis D	Date: 2/	7/2023	8	SeqNo: 3	412426	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	0.91		1.000		91.3	70	130			
Sample ID: LCS-73024	Samp1	Гуре: LC	s	Tes	tCode: El	PA Method	8021B: Volat	iles	·	·
Client ID: LCSS	Batc	h ID: 73 0	024	F	RunNo: 9	4444				
Prep Date: 2/6/2023	Analysis D	Date: 2/	7/2023	S	SeqNo: 3	413179	Units: %Red	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Sample ID: mb-73024	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles			
Client ID: PBS	Batch	ID: 73	024	F	RunNo: 9	4444					
Prep Date: 2/6/2023	Analysis D	ate: 2/	7/2023	8	SeqNo: 3	413180	Units: %Red	;			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: 4-Bromofluorobenzene	0.92		1.000		91.6	70	130				

91.8

70

130

1.000

Qualifiers:

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

Surr: 4-Bromofluorobenzene

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 14 of 14

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

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	ertex Resources ervices, Inc.	Work Order Number	er: 2302138		RcptNo: 1	
Received By:	Tracy Casarrubias	2/3/2023 7:25:00 AM				
Completed By:	Tracy Casarrubias	2/3/2023 7:56:41 AM				
Reviewed By:	U z-3-23					
Chain of Custo	<u>dy</u>					
1. Is Chain of Cust	ody complete?		Yes 🗌	No 🗹	Not Present	
2. How was the sa	mple delivered?		Courier			
Log In				_	_	
Was an attempt	made to cool the sampl	es?	Yes 🗸	No 🗌	na 🗌	
4. Were all sample:	s received at a temperat	ure of >0° C to 6.0°C	Yes 🗹	No 🗆	na 🗆	
5. Sample(s) in pro	pper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample	volume for indicated te	st(s)?	Yes 🗹	No 🗌		
7. Are samples (exc	cept VOA and ONG) pro	perly preserved?	Yes 🗹	No 🗌		
8. Was preservative	e added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at leas	t 1 vial with headspace <	<1/4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
10. Were any sampl	e containers received br	oken?	Yes	No 🗹	# of preserved	
11. Does paperwork	match bottle labels?		Yes 🗹	No 🗆	bottles checked for pH:	
	ies on chain of custody)					2 unless noted)
	rectly identified on Chain	•	Yes 🗹	No 🗌	Adjusted?	
	nalyses were requested?	•	Yes 🗹	No 📙		. 01010
_	times able to be met? omer for authorization.)		Yes 🗹	No ∐	Checked by: Ju	213/2
Special Handling	g (if applicable)					
15. Was client notific	ed of all discrepancies w	ith this order?	Yes 🗌	No 🗆	NA 🗹	
Person No	tified:	Date:				
By Whom:		Via:	eMail P	hone 🗌 Fax	☐ In Person	
Regarding						
Client Insti	ructions:			·	- Application of the second section of	
16. Additional rema	rks:					
17. <u>Cooler Informa</u>						
	Temp °C Condition		Seal Date	Signed By		
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If necessary, samples submitted to hall Environmental may be Released to Imaging: 5/1/2023 9:59:25 AM

CLIENT: Vertex Resources Services, Inc.

Analytical Report Lab Order 2302196

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES23-184 0-4'

Project: Dayton ER Battery Collection Date: 2/2/2023 1:32:00 PM

2302196-001 Lab ID: Matrix: SOIL Received Date: 2/4/2023 9:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OI	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/8/2023 9:07:06 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/8/2023 9:07:06 AM
Surr: DNOP	81.1	69-147	%Rec	1	2/8/2023 9:07:06 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2023 11:31:34 AM
Surr: BFB	99.9	37.7-212	%Rec	1	2/8/2023 11:31:34 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2023 11:31:34 AM
Toluene	ND	0.048	mg/Kg	1	2/8/2023 11:31:34 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2023 11:31:34 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2023 11:31:34 AM
Surr: 4-Bromofluorobenzene	84.6	70-130	%Rec	1	2/8/2023 11:31:34 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	1700	60	mg/Kg	20	2/7/2023 11:48:28 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 standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL

Reporting Limit

Page 1 of 0

CLIENT: Vertex Resources Services, Inc.

Analytical Report Lab Order **2302196**

Date Reported:

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES23-52 4-5'

 Project:
 Dayton ER Battery
 Collection Date: 2/2/2023 12:12:00 PM

 Lab ID:
 2302196-002
 Matrix: SOIL
 Received Date: 2/4/2023 9:00:00 AM

Analyses	Result	PQL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/8/2023 9:21:28 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/8/2023 9:21:28 AM
Surr: DNOP	95.5	69-147	%Rec	1	2/8/2023 9:21:28 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/8/2023 1:49:24 AM
Surr: BFB	109	37.7-212	%Rec	1	2/8/2023 1:49:24 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/8/2023 1:49:24 AM
Toluene	ND	0.047	mg/Kg	1	2/8/2023 1:49:24 AM
Ethylbenzene	ND	0.047	mg/Kg	1	2/8/2023 1:49:24 AM
Xylenes, Total	ND	0.093	mg/Kg	1	2/8/2023 1:49:24 AM
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	2/8/2023 1:49:24 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	1200	60	mg/Kg	20	2/7/2023 12:00:53 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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 0



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

February 13, 2023

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

FAX:

RE: Dayton ER Battery OrderNo.: 2302261

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/7/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/13/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES23-202 0-4'

Project: Dayton ER Battery **Collection Date:** 2/3/2023 11:58:00 AM 2302261-001 Lab ID: Matrix: SOIL **Received Date: 2/7/2023 7:50:00 AM**

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/9/2023 10:45:50 PM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/9/2023 10:45:50 PM
Surr: DNOP	126	69-147	%Rec	1	2/9/2023 10:45:50 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2023 10:08:48 PM
Surr: BFB	102	37.7-212	%Rec	1	2/8/2023 10:08:48 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2023 10:08:48 PM
Toluene	ND	0.050	mg/Kg	1	2/8/2023 10:08:48 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2023 10:08:48 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/8/2023 10:08:48 PM
Surr: 4-Bromofluorobenzene	87.8	70-130	%Rec	1	2/8/2023 10:08:48 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	310	60	mg/Kg	20	2/8/2023 2:12:08 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
- Practical Quanitative Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value Ε
- J Analyte detected below quantitation limits
- Sample pH Not In Range

RL Reporting Limit Page 1 of 6

Date Reported: 2/13/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: WES23-203 0-4'

 Project:
 Dayton ER Battery
 Collection Date: 2/3/2023 12:01:00 PM

 Lab ID:
 2302261-002
 Matrix: SOIL
 Received Date: 2/7/2023 7:50:00 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	9.7	mg/Kg	1	2/9/2023 11:56:19 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/9/2023 11:56:19 PM
Surr: DNOP	143	69-147	%Rec	1	2/9/2023 11:56:19 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/8/2023 10:32:17 PM
Surr: BFB	101	37.7-212	%Rec	1	2/8/2023 10:32:17 PM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.025	mg/Kg	1	2/8/2023 10:32:17 PM
Toluene	ND	0.050	mg/Kg	1	2/8/2023 10:32:17 PM
Ethylbenzene	ND	0.050	mg/Kg	1	2/8/2023 10:32:17 PM
Xylenes, Total	ND	0.099	mg/Kg	1	2/8/2023 10:32:17 PM
Surr: 4-Bromofluorobenzene	87.0	70-130	%Rec	1	2/8/2023 10:32:17 PM
EPA METHOD 300.0: ANIONS					Analyst: NAI
Chloride	340	60	mg/Kg	20	2/8/2023 2:49:21 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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

e pH Not In Range ting Limit Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302261**

13-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-73076 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 73076 RunNo: 94475

Prep Date: 2/8/2023 Analysis Date: 2/8/2023 SeqNo: 3414519 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-73076 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 73076 RunNo: 94475

Prep Date: 2/8/2023 Analysis Date: 2/8/2023 SeqNo: 3414520 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.8 90 110

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302261** *13-Feb-23*

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Project: Dayton El	R Battery										
Sample ID: LCS-73062	Samp1	Гуре: LC	S	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Client ID: LCSS	Batcl	h ID: 73 0	062	F	RunNo: 94	4502					
Prep Date: 2/7/2023	Analysis D	Date: 2/ 5	9/2023	5	SeqNo: 34	415581	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	58	10	50.00	0	116	61.9	130				
Surr: DNOP	5.7		5.000		114	69	147				
Sample ID: MB-73062	Samp1	Гуре: МЕ	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organic							
Client ID: PBS	Batcl	h ID: 73 0	062	F	RunNo: 94	4502					
Prep Date: 2/7/2023	Analysis D	Date: 2/ 5	9/2023	SeqNo: 3416376			Units: mg/K	(g			
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	13		10.00		130	69	147				
Sample ID: 2302261-001AMS	Samp1	SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Orga						Organics			
Client ID: WES23-202 0-4'	Batcl	h ID: 73 0	062	F	RunNo: 94	4502					
Prep Date: 2/7/2023	Analysis D	Date: 2/ 9	9/2023	5	SeqNo: 34	416469	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	59	9.4	46.77	0	126	54.2	135				
Surr: DNOP	6.6		4.677		142	69	147				
Sample ID: 2302261-001AMSD	Samp1	Гуре: М.	SD	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics		
Client ID: WES23-202 0-4'	Batcl	h ID: 73 0	062	F	RunNo: 94	4502					
Prep Date: 2/7/2023	Analysis D	Date: 2/ 5	9/2023	S	SeqNo: 34	416470	Units: mg/K	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
,											
Diesel Range Organics (DRO)	46	8.9	44.60	0	104	54.2	135	24.0	29.2		
,		8.9	44.60 4.460	0	104 115	54.2 69	135 147	24.0 0	29.2 0		
Diesel Range Organics (DRO)	46 5.1	8.9 Гуре: МЕ	4.460		115	69		0	0		
Diesel Range Organics (DRO) Surr: DNOP	46 5.1 Samp1		4.460 BLK	Tes	115	69 PA Method	147	0	0		
Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-73034	46 5.1 Samp1	Гуре: МЕ h ID: 73 0	4.460 BLK 034	Tes	115 tCode: EF	69 PA Method 4521	147	0 esel Range	0		
Diesel Range Organics (DRO) Surr: DNOP Sample ID: MB-73034 Client ID: PBS	46 5.1 Samp1 Batcl	Гуре: МЕ h ID: 73 0	4.460 BLK 034 10/2023	Tes	115 etCode: EF RunNo: 9 4	69 PA Method 4521	147 8015M/D: Die	0 esel Range	0	Qual	

Qualifiers:

Surr: DNOP

- 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

8.9

B Analyte detected in the associated Method Blank

88.9

69

147

- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

10.00

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302261**

13-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-73053 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 73053 RunNo: 94468 Units: mg/Kg Prep Date: 2/7/2023 Analysis Date: 2/8/2023 SeqNo: 3413852 **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Gasoline Range Organics (GRO) 25 5.0 25.00 0 98.5 72.3 137 Surr: BFB 1100 1000 112 37.7 212

Surr: BFB 1100 1000 112 37.7 212

Sample ID: mb-73053 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 73053 RunNo: 94468

Prep Date: 2/7/2023 Analysis Date: 2/8/2023 SeqNo: 3413853 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 99.5 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302261** *13-Feb-23*

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: LCS-73053	Samp	Type: LC	s	TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batcl	Batch ID: 73053 RunNo: 94468									
Prep Date: 2/7/2023	Analysis [Date: 2/ 8	8/2023	5	SeqNo: 34	413860	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val %REC LowLimit			HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.85	0.025	1.000	0	84.9	80	120				
Toluene	0.86	0.050	1.000	0	86.1	80	120				
Ethylbenzene	0.88	0.050	1.000	0	87.5	80	120				
Xylenes, Total	2.6	0.10	3.000	0 87.4 80			120				
Surr: 4-Bromofluorobenzene	0.85		1.000		85.5	70	130				

Sample ID: mb-73053	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: 73 0)53	RunNo: 94468						
Prep Date: 2/7/2023	Analysis D	Date: 2/ 8	8/2023	SeqNo: 3413861 Un			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		84.1	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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107

Sample Log-In Check List

		Website: w	ww.hallenvironme	ental.com		
Client Name:	Vertex Resources Services, Inc.	Work Order Nu	mber: 2302261		Rcpt	No: 1
Received By:	Juan Rojas	2/7/2023 7:50:00	AM	Humans	3	
Completed By:	Sean Livingston	2/7/2023 8:10:02	AM	(Int	
Reviewed By:	ff 2-7-23			SC	not	
Chain of Cus	tody					
1. Is Chain of Cu	ustody complete?		Yes 🗸	No 🗆	Not Present	1
2. How was the	sample delivered?		Courier		Not resent _	1
<u>Log In</u>						
3. Was an attem	pt made to cool the sa	amples?	Yes 🗹	No 🗌	NA 🗆	
4. Were all samp	les received at a temp	perature 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 indicate	ed test(s)?	Yes 🗸	No 🗌		
7. Are samples (e.	xcept VOA and ONG)	properly preserved?	Yes 🗹	No 🗌		
8. Was preservati	ve added to bottles?		Yes 🗌	No 🗹	NA 🗌	
9. Received at lea	st 1 vial with headsna	ce <1/4" for AQ VOA?		🗀	_	
	ole containers receive		Yes 📙	No ∐	NA 🗹	
,	1000110	a blokeli!	Yes 📙	No 🗸	# of preserved	
11. Does paperwork (Note discrepan	cies on chain of custo	ody)	Yes 🗸	No 🗌	bottles checked for pH:	
	rrectly identified on Cl		Yes 🔽	No 🗌	(<2 o	or >12 unless noted)
13. Is it clear what a	ınalyses were request	ed?	Yes 🗹	No 🗌		
14. Were all holding (If no, notify cus	times able to be met tomer for authorization	? n.)	Yes 🔽	No 🗆	Checked by:	JN2/7/2
Special Handlin	g (if applicable)					
	ied of all discrepancie	s with this order?	Yes 🗌	No 🗌	na 🗹	
Person No	otified:	Date:			IVA U	
By Whom		Via:		Phone Fax	☐ In Person	
Regarding				THORE T ax		
Client Inst	ructions:					
16. Additional rema	rks:					
7. <u>Cooler Informa</u>	ition					
Cooler No	Temp °C Condition	The Courte	Seal Date	Signed By		
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

February 13, 2023

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

FAX:

RE: Dayton ER Battery OrderNo.: 2302196

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 2 sample(s) on 2/4/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/13/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc. Client Sample ID: WES23-184 0-4' **Project:** Dayton ER Battery **Collection Date:** 2/2/2023 1:32:00 PM 2302196-001 Lab ID: Matrix: SOIL Received Date: 2/4/2023 9:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/8/2023 9:07:06 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/8/2023 9:07:06 AM
Surr: DNOP	81.1	69-147	%Rec	1	2/8/2023 9:07:06 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/8/2023 11:31:34 AM
Surr: BFB	99.9	37.7-212	%Rec	1	2/8/2023 11:31:34 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.024	mg/Kg	1	2/8/2023 11:31:34 AM
Toluene	ND	0.048	mg/Kg	1	2/8/2023 11:31:34 AM
Ethylbenzene	ND	0.048	mg/Kg	1	2/8/2023 11:31:34 AM
Xylenes, Total	ND	0.097	mg/Kg	1	2/8/2023 11:31:34 AM
Surr: 4-Bromofluorobenzene	84.6	70-130	%Rec	1	2/8/2023 11:31:34 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	1700	60	mg/Kg	20	2/7/2023 11:48:28 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

Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value Ε

J Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit

Page 1 of 6

Date Reported: 2/13/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Vertex Resources Services, Inc.

Client Sample ID: BES23-52 4-5'

 Project:
 Dayton ER Battery
 Collection Date: 2/2/2023 12:12:00 PM

 Lab ID:
 2302196-002
 Matrix: SOIL
 Received Date: 2/4/2023 9:00:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/8/2023 9:21:28 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/8/2023 9:21:28 AM
Surr: DNOP	95.5	69-147	%Rec	1	2/8/2023 9:21:28 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: JJP
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/8/2023 1:49:24 AM
Surr: BFB	109	37.7-212	%Rec	1	2/8/2023 1:49:24 AM
EPA METHOD 8021B: VOLATILES					Analyst: JJP
Benzene	ND	0.023	mg/Kg	1	2/8/2023 1:49:24 AM
Toluene	ND	0.047	mg/Kg	1	2/8/2023 1:49:24 AM
Ethylbenzene	ND	0.047	mg/Kg	1	2/8/2023 1:49:24 AM
Xylenes, Total	ND	0.093	mg/Kg	1	2/8/2023 1:49:24 AM
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	2/8/2023 1:49:24 AM
EPA METHOD 300.0: ANIONS					Analyst: JMT
Chloride	1200	60	mg/Kg	20	2/7/2023 12:00:53 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
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

ple pH Not In Range Page 2 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302196

13-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: MB-73043 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 73043 RunNo: 94445

Prep Date: 2/7/2023 Analysis Date: 2/7/2023 SeqNo: 3413497 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-73043 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 73043 RunNo: 94445

Prep Date: 2/7/2023 Analysis Date: 2/7/2023 SeqNo: 3413498 Units: mg/Kg

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

Chloride 15.00 92.8 110

Qualifiers:

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

Page 3 of 6

Hall Environmental Analysis Laboratory, Inc.

4.9

WO#: 2302196 13-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Surr: DNOP

Sample ID: MB-73034 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

PBS Client ID: Batch ID: 73034 RunNo: 94435

Prep Date: 2/6/2023 Analysis Date: 2/7/2023 SeqNo: 3412826 Units: %Rec

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

Surr: DNOP 10 10.00 102 69 147

5.000

Sample ID: LCS-73034 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 73034 RunNo: 94435 Prep Date: 2/6/2023 Analysis Date: 2/7/2023 SeqNo: 3412827 Units: %Rec %REC %RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val LowLimit HighLimit Qual

97.3

147

TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID: MB-73030 SampType: MBLK Client ID: **PBS** Batch ID: 73030 Prep Date: Analysis Date: 2/7/2023 SeqNo: 3413657 Units: mg/Kg 2/6/2023 Analyte Result POI SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10 10.00 101 69

TestCode: EPA Method 8015M/D: Diesel Range Organics Sample ID: LCS-73030 SampType: LCS Client ID: LCSS Batch ID: 73030 RunNo: 94448 Analysis Date: 2/7/2023 Prep Date: SeqNo: 3413658 2/6/2023 Units: mg/Kg SPK value Analyte Result POL SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 58 10 50.00 0 116 61.9 130 Surr: DNOP 4.9 5.000 97.8 69 147

Qualifiers:

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

Page 4 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302196 13-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

Sample ID: Ics-72989 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 72989 RunNo: 94444

Prep Date: 2/3/2023 Analysis Date: 2/7/2023 SeqNo: 3412419 Units: %Rec

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

Surr: BFB 1200 1000 115 37.7 212

Sample ID: mb-72989 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 72989 RunNo: 94444

Prep Date: 2/3/2023 Analysis Date: 2/7/2023 SeqNo: 3412420 Units: %Rec

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

Surr: BFB 1000 1000 103 37.7 212

Sample ID: Ics-73024 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 73024 RunNo: 94444

Prep Date: Analysis Date: 2/7/2023 SeqNo: 3413053 Units: mq/Kq 2/6/2023

SPK value SPK Ref Val Analyte Result PQL %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 28 5.0 0 72.3 25.00 111 137

Surr: BFB 1100 1000 113 37.7 212

Sample ID: mb-73024 TestCode: EPA Method 8015D: Gasoline Range SampType: MBLK

Client ID: PBS Batch ID: 73024 RunNo: 94444

Units: mg/Kg Prep Date: 2/6/2023 Analysis Date: 2/7/2023 SeqNo: 3413054

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 104 37.7 212

Qualifiers:

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

Page 5 of 6

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302196**

13-Feb-23

Client: Vertex Resources Services, Inc.

Project: Dayton ER Battery

2/3/2023

Prep Date:

Sample ID: LCS-72989 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 72989 RunNo: 94444

Analysis Date: 2/7/2023

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

SeqNo: 3412425

Units: %Rec

Surr: 4-Bromofluorobenzene 0.93 1.000 92.9 70 130

Sample ID: mb-72989 SampType: MBLK TestCode: EPA Method 8021B: Volatiles
Client ID: PBS Batch ID: 72989 RunNo: 94444

Prep Date: 2/3/2023 Analysis Date: 2/7/2023 SeqNo: 3412426 Units: %Rec

%RPD **RPDLimit** Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit Qual Surr: 4-Bromofluorobenzene 0.91 1.000 91.3 130

Sample ID: LCS-73024 TestCode: EPA Method 8021B: Volatiles SampType: LCS Client ID: LCSS Batch ID: 73024 RunNo: 94444 Prep Date: Analysis Date: 2/7/2023 SeqNo: 3413179 Units: mg/Kg 2/6/2023 Result POI SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte I owl imit 0.92 0.025 91.5 Benzene 1.000 0 80 Toluene 0.93 0.050 1.000 0 93.0 80 120 Ethylbenzene 0.92 0.050 1.000 0 92.3 80 120 0 92.4 Xylenes, Total 2.8 0.10 3.000 80 120 Surr: 4-Bromofluorobenzene 0.92 1.000 91.8 70 130

Sample ID: mb-73024 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 73024 RunNo: 94444

Prep Date: 2/6/2023 Analysis Date: 2/7/2023 SeqNo: 3413180 Units: mg/Kg

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

Benzene ND 0.025

Talvana

 Toluene
 ND
 0.023

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

Surr: 4-Bromofluorobenzene 0.92 1.000 91.6 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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 6 of 6

Hall Environmental Analysis Laboratory 4901 Hawkins NE

Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

Client Name:	Vertex Res Services, I		Work	Order Num	ber: 230	2196			RcptNo	: 1
Received By:	Cheyenne	Cason	2/4/202	3 9:00:00 <i>A</i>	M		Chene			
Completed By:	Cheyenne	Cason	2/4/202	3 9:07:32 <i>F</i>	M		Chul			
Reviewed By:	A. 02/04	1/2023								
Chain of Cus	stody									
1. Is Chain of C	Custody comp	lete?			Yes		No	✓	Not Present	
2. How was the	e sample deliv	ered?			<u>Cou</u>	<u>rier</u>				
<u>Log In</u> 3. Was an atter	mpt made to	cool the samp	les?		Yes	V	No		na 🗆	
4. Were all sam	nples received	l at a tempera	ture of >0° C	to 6.0°C	Yes	V	No		na 🗆	
5. Sample(s) in	proper conta	iner(s)?			Yes	✓	No			
6. Sufficient sar	nple volume i	or indicated to	est(s)?		Yes	\checkmark	No			
7. Are samples	(except VOA	and ONG) pro	operly preserve	ed?	Yes	\checkmark	No			
8. Was preserve	ative added to	bottles?			Yes		No	V	NA 🗆	
9. Received at I	east 1 vial wit	h headspace	<1/4" for AQ \	OA?	Yes		No		NA 🗹	
10. Were any sa	mple contain	ers received b	roken?		Yes		No	V	# of preserved	
11. Does paperw (Note discrep		ttle labels? ain of custody)		Yes	V	No			>12 unless noted)
12. Are matrices	correctly ider	itified on Chai	n of Custody?		Yes	\checkmark	No		Adjusted?	
13. Is it clear wha	at analyses w	ere requested	?		Yes	\checkmark	No			1 . 6
14. Were all hold (If no, notify of	-	e to be met? authorization.)			Yes		No		Checked by:	me 2/4/23
Special Hand	lling (if ap	olicable)								
15. Was client n	otified of all d	iscrepancies v	with this order	?	Yes		No		NA 🗹	_
Persor	Notified:		the same deposits of	Date						
By Wh	om:			Via:	☐ eM	ail 🗌	Phone [Fax	☐ In Person	
Regard	ding:		THE WORLD AND THE							
Client	Instructions:									
16. Additional re										
		complete on (COC - CMC 2/	4/23						
17. Cooler Info		Condition	Seal Intact	Seal No	Seal D	ata	Signad !	2√	***************************************	
1	1.3	Good	Not Present	-	oeai D	alt	Signed I	Э	· · · · · · · · · · · · · · · · · · ·	
2	0.6	Good	Not Present						1	

	HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.hallenvironmental.com	4901 Hawkins NE - Albuquerque, NM 87109	Tel. 505-345-3975 Fax 505-345-4107	Anal	†O:	PCB's PO4, S	7 DR (1.1) (2) (2)	OF 8/8/8/ 10 00 10 ,8	D(GI hod B310 Metal NO: NO: ni-V(Pes (Met by A 8 M Br, (VO (VO	8081 PAH3 RCR, BCR, BDB							And department of the property	Remarks: Direct bill to: Edg	the second appropriate the second of the sec	cc. Smeary Quetex. Ca pg 10f 1
Turn-Around Time:	□ Standard (Rush 48 hc	Project Name:	Baston ER Ratter	Project #	J2E-10173	Project Manager:	Chance Dixon	SM	Yes 🗆 No Mach	# of Coolers: 7 1.3-0-1.3		Container Preservative HEAL No. Type and # Type	4 ozjar ice ooi	700			Control of the state of the sta	the latter of the second secon	The state of the s	Received by: Via: Date Time R	Via: Date 7	One cours 214/23 0900 1
Chain-of-Custody Record	Client: EOG / Vertex		Mailing Address: On (1)		Phone #:	email or Fax#:	QA/QC Package: Standard Level 4 (Full Validation)	☐ Az Compliance	□ NELAC □ Other	□ EDD (Type)		Date Time Matrix Sample Name	200 133 Soil WESZ3-184 041	2012 12:12 1 65523-52 451							Time: Refinquished by:	18/28 19MD OCCUMANDO

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



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

February 20, 2023

Chance Dixon
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX

RE: Dayton ER Battery OrderNo.: 2302778

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 2/17/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andyl

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2302778

Date Reported: 2/20/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: WES23-204 0-4'

Project: Dayton ER Battery Collection Date: 2/15/2023 11:30:00 AM

2302778-001 Lab ID: Matrix: MEOH (SOIL) Received Date: 2/17/2023 8:25:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: NAI
Chloride	ND	59	mg/Kg	20	2/17/2023 2:23:19 PM	73239
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	DGH
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/17/2023 10:58:43 AM	73232
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/17/2023 10:58:43 AM	73232
Surr: DNOP	91.7	69-147	%Rec	1	2/17/2023 10:58:43 AM	73232
EPA METHOD 8015D: GASOLINE RANGE					Analyst	CCM
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	2/17/2023 12:06:00 PM	GS94683
Surr: BFB	111	37.7-212	%Rec	1	2/17/2023 12:06:00 PM	GS94680
EPA METHOD 8021B: VOLATILES					Analyst	CCM
Benzene	ND	0.021	mg/Kg	1	2/17/2023 12:06:00 PM	BS94683
Toluene	ND	0.041	mg/Kg	1	2/17/2023 12:06:00 PM	BS94683
Ethylbenzene	ND	0.041	mg/Kg	1	2/17/2023 12:06:00 PM	BS94683
Xylenes, Total	ND	0.082	mg/Kg	1	2/17/2023 12:06:00 PM	BS94683
Surr: 4-Bromofluorobenzene	105	70-130	%Rec	1	2/17/2023 12:06:00 PM	BS94683

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
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Е Above Quantitation Range/Estimated Value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Limit

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 2302778 20-Feb-23

Client: EOG

Project: Dayton ER Battery

Sample ID: MB-73239 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 73239 RunNo: 94696

Prep Date: 2/17/2023 Analysis Date: 2/17/2023 SeqNo: 3423573 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-73239 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 73239 RunNo: 94696

Prep Date: 2/17/2023 Analysis Date: 2/17/2023 SeqNo: 3423574 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.6 90 110

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

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302778 20-Feb-23**

Client: EOG

Project: Dayton ER Battery

Sample ID: LCS-73232 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 73232 RunNo: 94691

Prep Date: 2/17/2023 Analysis Date: 2/17/2023 SeqNo: 3423170 Units: mg/Kg

PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Diesel Range Organics (DRO) 10 0 43 50.00 87.0 61.9 130

Surr: DNOP 4.5 5.000 90.8 69 147

Sample ID: MB-73232 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PBS Batch ID: 73232 RunNo: 94691

Prep Date: 2/17/2023 Analysis Date: 2/17/2023 SeqNo: 3423171 Units: mg/Kg

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

Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 8.5 10.00 85.3 69 147

Qualifiers:

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

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302778 20-Feb-23**

Client: EOG

Project: Dayton ER Battery

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: GS94683 RunNo: 94683

Prep Date: Analysis Date: 2/17/2023 SeqNo: 3422956 Units: mg/Kg

Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Gasoline Range Organics (GRO) 0 29 5.0 25.00 115 72.3 137

 Surr: BFB
 1300
 1000
 131
 37.7
 212

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: GS94683 RunNo: 94683

Prep Date: Analysis Date: 2/17/2023 SeqNo: 3422957 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 109 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 Quantitative Limit

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302778**

20-Feb-23

Client: EOG

Project: Dayton ER Battery

Sample ID: mb SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: BS94683 RunNo: 94683

Prep Date: Analysis Date: 2/17/2023 SeqNo: 3422965 Units: mg/Kg

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

Benzene ND 0.025

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

 Surr: 4-Bromofluorobenzene
 1.0
 1.000
 103
 70
 130

Sample ID: 100ng btex Ics SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: BS94683 RunNo: 94683

Prep Date:	Analysis Date: 2/17/2023			9	SeqNo: 3	423273	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.2	80	120			
Toluene	0.97	0.050	1.000	0	97.2	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.5	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.5	80	120			
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 Quantitative Limit
- S % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Client Name: E	EOG		Work	Order Numbe	er: 2302778		RcptN	lo: 1
Received By:	Tracy Casai	rrubias	2/17/20	23 8:25:00 Al	И			
Completed By:	Tracy Casai	rrubias	2/17/20:	23 8:46:28 AI	И			
Reviewed By:	f1 z-	17-23				٠		
Chain of Custo	ody						- E	
1. Is Chain of Cus	stody complet	te?			Yes 📙	No 🛚	Not Present	
2. How was the sa	ample deliver	red?			<u>Courier</u>			
Log In 3. Was an attempt	t made to co	ol the sample	es?		Yes 🗹	No [□ NA □	İ
4. Were all sample	es received a	it a temperat	ure of >0° C	to 6.0°C	Yes 🗹	No [□ NA □	İ
5. Sample(s) in pr	oper contain	er(s)?			Yes 🗹	No [
6. Sufficient sample	le volume for	indicated te	st(s)?		Yes 🗹	No 🗆]	
7. Are samples (ex	xcept VOA ar	nd ONG) pro	perly preserve	ed?	Yes 🗹	No 🗆]	
8. Was preservativ	ve added to b	oottles?			Yes 🗌	No 🔽	Ø NA □	
O Desciond at least	ملائد المارية	b d	-4/4II	(OA)	V □	No [NA ✓	
9. Received at leas		-		OA?	Yes ∐ Yes ☐	No 🖪		
10. Were any samp	pie container	s received bi	oken?		res —	NO E	# of preserved bottles checked	
11. Does paperwork (Note discrepan					Yes 🗹	No [for pH:	or >12 unless noted)
12. Are matrices co					Yes 🗹	No 🗆	Adjusted?	
13. Is it clear what a	analyses wer	e requested?	?		Yes 🗹	No [1. 1.7h
14. Were all holding (If no, notify cus					Yes 🗹	No [Checked by:	JN211712
Special Handlir	na (if annl	icable)						
15. Was client noti			vith this order?	?	Yes 🗌	No [□ NA 🗹]
Person N	lotified:			Date:				
By Whon	n:			Via:	eMail	Phone F	ax 🔲 In Person	
Regardin	g: [
Client Ins	structions:							
16. Additional rem	arks:							
17. Cooler Inform	nation							
Cooler No	Temp ⁰C	Condition	Seal Intact	Seal No	Seal Date	Signed By		
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Chain-of-Custody Record	I dill-Alound I lille. ZV = HOUT	HALL ENVIRONMENTAL
Client: Fod / vertex	□ Standard ☐ Rush	ANALYSIS LABORATORY
	10.00	www.hallenvironmental.com
Mailing Address: On Fill	Dayton ER Sattery	4901 Hawkins NE - Albuquerque, NM 87109
	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #:	225-00123.01	Analysis Request
:ax#:	Project Manager:	†OS
QA/QC Package:	Chance Dixon	8,80 8,80 8,80
☐ Standard ☐ Level 4 (Full Validation)		7 OF C
⊐ Az Compliance	Sampler: 💪 🖒	(1.4 D)
□ Other	On ice: If Yes I No mort	\ <u>\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ </u>
□ EDD (Type)		od (GI)
	Cooler Temp(including CF): 1.1 + 0 -1 = 1.2 (°C)	MT 15D 9etic 19 8: 3 M 3r, 3r,
	Container Preservative HEAL No.	DB (W 200 (V 20) (V 200 (V 20) (V 200 (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 200 (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 200 (V 20) (V 20) (V 20) (V 200 (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20) (V 20)
Date Time Matrix Sample Name	Type and # Type 3302 7-3 8	11T SS SS SS SS SS SS SS SS SS SS SS SS SS
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216 MD Fra	Mills 0,110/13	
Date: Time: Relinquished by:	Received by: Via: Cour Sate Time	~
11813 1940 Carry	3/	

If necessary, samples submitted to Hall Environmental may be subconfracted to other accredited laboratories. This serves as notice Released to Imaging: 5/1/2023 9:59:25 AM



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

March 03, 2023

Chance Dixon
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Dayton ER Battery OrderNo.: 2302A11

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 11 sample(s) on 2/23/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-59 4ft

 Project:
 Dayton ER Battery
 Collection Date: 2/21/2023 9:00:00 AM

 Lab ID:
 2302A11-001
 Matrix: SOIL
 Received Date: 2/23/2023 7:30:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	3800	150	mg/Kg	50	2/24/2023 2:14:21 PM	73368
EPA METHOD 8015D MOD: GASOLINE RANG	Ε				Analyst	: JR
Gasoline Range Organics (GRO)	ND	4.3	mg/Kg	1	2/23/2023 5:17:15 PM	G94839
Surr: BFB	107	70-130	%Rec	1	2/23/2023 5:17:15 PM	G94839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: DGH
Diesel Range Organics (DRO)	12	9.8	mg/Kg	1	2/24/2023 11:59:33 AM	73339
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/24/2023 11:59:33 AM	73339
Surr: DNOP	99.7	69-147	%Rec	1	2/24/2023 11:59:33 AM	73339
EPA METHOD 8260B: VOLATILES SHORT LIS	ST .				Analyst	: JR
Benzene	ND	0.022	mg/Kg	1	2/23/2023 5:17:15 PM	R94839
Toluene	ND	0.043	mg/Kg	1	2/23/2023 5:17:15 PM	R94839
Ethylbenzene	ND	0.043	mg/Kg	1	2/23/2023 5:17:15 PM	R94839
Xylenes, Total	ND	0.086	mg/Kg	1	2/23/2023 5:17:15 PM	R94839
Surr: 1,2-Dichloroethane-d4	102	70-130	%Rec	1	2/23/2023 5:17:15 PM	R94839
Surr: 4-Bromofluorobenzene	95.8	70-130	%Rec	1	2/23/2023 5:17:15 PM	R94839
Surr: Dibromofluoromethane	101	70-130	%Rec	1	2/23/2023 5:17:15 PM	R94839
Surr: Toluene-d8	92.4	70-130	%Rec	1	2/23/2023 5:17:15 PM	R94839

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
- 8 % Recovery outside of standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 14

Analytical ReportLab Order **2302A11**

Date Reported: 3/3/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES23-60 4ft

Project: Dayton ER Battery **Collection Date:** 2/21/2023 9:05:00 AM

Lab ID: 2302A11-002 **Matrix:** SOIL **Received Date:** 2/23/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1000	60	mg/Kg	20	2/24/2023 11:52:48 AM	73368
EPA METHOD 8015D MOD: GASOLINE RANGE	Ē				Analyst	: JR
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	2/23/2023 6:39:34 PM	G94839
Surr: BFB	108	70-130	%Rec	1	2/23/2023 6:39:34 PM	G94839
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	23	10	mg/Kg	1	2/24/2023 12:08:09 PM	73339
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/24/2023 12:08:09 PM	73339
Surr: DNOP	103	69-147	%Rec	1	2/24/2023 12:08:09 PM	73339
EPA METHOD 8260B: VOLATILES SHORT LIST	Γ				Analyst	: JR
Benzene	ND	0.020	mg/Kg	1	2/23/2023 6:39:34 PM	R94839
Toluene	ND	0.041	mg/Kg	1	2/23/2023 6:39:34 PM	R94839
Ethylbenzene	ND	0.041	mg/Kg	1	2/23/2023 6:39:34 PM	R94839
Xylenes, Total	ND	0.082	mg/Kg	1	2/23/2023 6:39:34 PM	R94839
Surr: 1,2-Dichloroethane-d4	99.6	70-130	%Rec	1	2/23/2023 6:39:34 PM	R94839
Surr: 4-Bromofluorobenzene	94.5	70-130	%Rec	1	2/23/2023 6:39:34 PM	R94839
Surr: Dibromofluoromethane	108	70-130	%Rec	1	2/23/2023 6:39:34 PM	R94839
Surr: Toluene-d8	95.0	70-130	%Rec	1	2/23/2023 6:39:34 PM	R94839

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Analytical Report Lab Order 2302A11

Date Reported: 3/3/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES23-61 4ft

Project: Dayton ER Battery Collection Date: 2/21/2023 9:10:00 AM

Lab ID: 2302A11-003 **Matrix:** SOIL **Received Date:** 2/23/2023 7:30:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1900	60	mg/Kg	20	2/24/2023 12:05:40 PM	73368
EPA METHOD 8015D MOD: GASOLINE RANG	E				Analyst	: JR
Gasoline Range Organics (GRO)	ND	4.1	mg/Kg	1	2/23/2023 8:01:39 PM	G94839
Surr: BFB	108	70-130	%Rec	1	2/23/2023 8:01:39 PM	G94839
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/24/2023 12:10:01 PM	73339
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/24/2023 12:10:01 PM	73339
Surr: DNOP	91.9	69-147	%Rec	1	2/24/2023 12:10:01 PM	73339
EPA METHOD 8260B: VOLATILES SHORT LIS	ST				Analyst	: JR
Benzene	ND	0.020	mg/Kg	1	2/23/2023 8:01:39 PM	R94839
Toluene	ND	0.041	mg/Kg	1	2/23/2023 8:01:39 PM	R94839
Ethylbenzene	ND	0.041	mg/Kg	1	2/23/2023 8:01:39 PM	R94839
Xylenes, Total	ND	0.082	mg/Kg	1	2/23/2023 8:01:39 PM	R94839
Surr: 1,2-Dichloroethane-d4	100	70-130	%Rec	1	2/23/2023 8:01:39 PM	R94839
Surr: 4-Bromofluorobenzene	92.3	70-130	%Rec	1	2/23/2023 8:01:39 PM	R94839
Surr: Dibromofluoromethane	109	70-130	%Rec	1	2/23/2023 8:01:39 PM	R94839
Surr: Toluene-d8	93.2	70-130	%Rec	1	2/23/2023 8:01:39 PM	R94839

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

% Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Analytical Report Lab Order 2302A11

Date Reported: 3/3/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES23-62 4ft

Dayton ER Battery Collection Date: 2/21/2023 9:15:00 AM **Project:**

Lab ID: 2302A11-004 Matrix: SOIL Received Date: 2/23/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1900	60	mg/Kg	20	2/24/2023 12:18:32 PM	73368
EPA METHOD 8015D MOD: GASOLINE RANGI	E				Analyst	: JR
Gasoline Range Organics (GRO)	ND	3.4	mg/Kg	1	2/23/2023 8:28:58 PM	G94839
Surr: BFB	113	70-130	%Rec	1	2/23/2023 8:28:58 PM	G94839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: ED
Diesel Range Organics (DRO)	85	8.7	mg/Kg	1	2/23/2023 5:46:45 PM	73339
Motor Oil Range Organics (MRO)	120	43	mg/Kg	1	2/23/2023 5:46:45 PM	73339
Surr: DNOP	105	69-147	%Rec	1	2/23/2023 5:46:45 PM	73339
EPA METHOD 8260B: VOLATILES SHORT LIS	Т				Analyst	: JR
Benzene	ND	0.017	mg/Kg	1	2/23/2023 8:28:58 PM	R94839
Toluene	ND	0.034	mg/Kg	1	2/23/2023 8:28:58 PM	R94839
Ethylbenzene	ND	0.034	mg/Kg	1	2/23/2023 8:28:58 PM	R94839
Xylenes, Total	ND	0.069	mg/Kg	1	2/23/2023 8:28:58 PM	R94839
Surr: 1,2-Dichloroethane-d4	99.0	70-130	%Rec	1	2/23/2023 8:28:58 PM	R94839
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	2/23/2023 8:28:58 PM	R94839
Surr: Dibromofluoromethane	107	70-130	%Rec	1	2/23/2023 8:28:58 PM	R94839
Surr: Toluene-d8	95.0	70-130	%Rec	1	2/23/2023 8:28:58 PM	R94839

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
- Н Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- % Recovery outside of standard limits. If undiluted results may be estimated.
- Analyte detected in the associated Method Blank
- Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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Analytical ReportLab Order **2302A11**

Date Reported: 3/3/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES23-63 4ft

 Project:
 Dayton ER Battery
 Collection Date: 2/21/2023 9:25:00 AM

 Lab ID:
 2302A11-006
 Matrix: SOIL
 Received Date: 2/23/2023 7:30:00 AM

Analyses Result **RL Qual Units DF** Date Analyzed **Batch EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 2/24/2023 2:27:12 PM 3600 150 mg/Kg 73368 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: JR Gasoline Range Organics (GRO) ND 2/23/2023 8:56:17 PM 3.1 mg/Kg G94839 Surr: BFB 109 70-130 %Rec 1 2/23/2023 8:56:17 PM G94839 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: DGH Diesel Range Organics (DRO) 9.7 2/24/2023 12:20:32 PM 73339 34 mg/Kg Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 2/24/2023 12:20:32 PM 73339 Surr: DNOP 113 69-147 %Rec 1 2/24/2023 12:20:32 PM 73339 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: JR Benzene ND 0.015 mg/Kg 2/23/2023 8:56:17 PM R94839 Toluene ND 0.031 mg/Kg 1 2/23/2023 8:56:17 PM R94839 Ethylbenzene ND 0.031 2/23/2023 8:56:17 PM mg/Kg 1 R94839 Xylenes, Total ND 0.061 mg/Kg 1 2/23/2023 8:56:17 PM R94839 Surr: 1,2-Dichloroethane-d4 91.5 70-130 %Rec 1 2/23/2023 8:56:17 PM R94839 Surr: 4-Bromofluorobenzene R94839 92.7 70-130 %Rec 1 2/23/2023 8:56:17 PM Surr: Dibromofluoromethane 101 70-130 %Rec 1 2/23/2023 8:56:17 PM R94839 Surr: Toluene-d8 95.1 70-130 %Rec 1 2/23/2023 8:56:17 PM R94839

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Analytical ReportLab Order **2302A11**

Date Reported: 3/3/2023

Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES23-64 4ft

Project: Dayton ER Battery **Collection Date:** 2/21/2023 9:30:00 AM

Lab ID: 2302A11-007 **Matrix:** SOIL **Received Date:** 2/23/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	3000	150	mg/Kg	50	2/24/2023 2:40:05 PM	73368
EPA METHOD 8015D MOD: GASOLINE RANG	SE				Analyst	:: JR
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	2/23/2023 9:23:38 PM	G94839
Surr: BFB	108	70-130	%Rec	1	2/23/2023 9:23:38 PM	G94839
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	:: DGH
Diesel Range Organics (DRO)	27	9.9	mg/Kg	1	2/24/2023 12:31:04 PM	73339
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/24/2023 12:31:04 PM	73339
Surr: DNOP	94.2	69-147	%Rec	1	2/24/2023 12:31:04 PM	73339
EPA METHOD 8260B: VOLATILES SHORT LIS	ST				Analyst	:: JR
Benzene	ND	0.018	mg/Kg	1	2/23/2023 9:23:38 PM	R94839
Toluene	ND	0.036	mg/Kg	1	2/23/2023 9:23:38 PM	R94839
Ethylbenzene	ND	0.036	mg/Kg	1	2/23/2023 9:23:38 PM	R94839
Xylenes, Total	ND	0.071	mg/Kg	1	2/23/2023 9:23:38 PM	R94839
Surr: 1,2-Dichloroethane-d4	92.2	70-130	%Rec	1	2/23/2023 9:23:38 PM	R94839
Surr: 4-Bromofluorobenzene	96.0	70-130	%Rec	1	2/23/2023 9:23:38 PM	R94839
Surr: Dibromofluoromethane	100	70-130	%Rec	1	2/23/2023 9:23:38 PM	R94839
Surr: Toluene-d8	92.2	70-130	%Rec	1	2/23/2023 9:23:38 PM	R94839

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

% Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/3/2023

CLIENT: EOG Client Sample ID: BES23-65 4ft

 Project:
 Dayton ER Battery
 Collection Date: 2/21/2023 9:35:00 AM

 Lab ID:
 2302A11-008
 Matrix: SOIL
 Received Date: 2/23/2023 7:30:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: JMT
Chloride	2300	150	mg/Kg	50	2/24/2023 2:52:56 PM	73368
EPA METHOD 8015D MOD: GASOLINE RANG	GE				Analys	:: JR
Gasoline Range Organics (GRO)	ND	3.6	mg/Kg	1	2/23/2023 9:50:52 PM	G94839
Surr: BFB	108	70-130	%Rec	1	2/23/2023 9:50:52 PM	G94839
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analys	: JME
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	3/2/2023 4:23:15 PM	73339
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/2/2023 4:23:15 PM	73339
Surr: DNOP	91.1	69-147	%Rec	1	3/2/2023 4:23:15 PM	73339
EPA METHOD 8260B: VOLATILES SHORT LI	ST				Analys	:: JR
Benzene	ND	0.018	mg/Kg	1	2/23/2023 9:50:52 PM	R94839
Toluene	ND	0.036	mg/Kg	1	2/23/2023 9:50:52 PM	R94839
Ethylbenzene	ND	0.036	mg/Kg	1	2/23/2023 9:50:52 PM	R94839
Xylenes, Total	ND	0.072	mg/Kg	1	2/23/2023 9:50:52 PM	R94839
Surr: 1,2-Dichloroethane-d4	92.9	70-130	%Rec	1	2/23/2023 9:50:52 PM	R94839
Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	1	2/23/2023 9:50:52 PM	R94839
Surr: Dibromofluoromethane	100	70-130	%Rec	1	2/23/2023 9:50:52 PM	R94839
Surr: Toluene-d8	93.6	70-130	%Rec	1	2/23/2023 9:50:52 PM	R94839

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 3/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-66 4ft

 Project:
 Dayton ER Battery
 Collection Date: 2/21/2023 9:40:00 AM

 Lab ID:
 2302A11-009
 Matrix: SOIL
 Received Date: 2/23/2023 7:30:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: JMT
Chloride	880	60	mg/Kg	20	2/24/2023 1:10:00 PM	73368
EPA METHOD 8015D MOD: GASOLINE RANGE	<u> </u>				Analyst	:: JR
Gasoline Range Organics (GRO)	ND	24	mg/Kg	1	2/23/2023 10:18:06 PM	G94839
Surr: BFB	112	70-130	%Rec	1	2/23/2023 10:18:06 PM	G94839
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: DGH
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/24/2023 1:02:37 PM	73339
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/24/2023 1:02:37 PM	73339
Surr: DNOP	106	69-147	%Rec	1	2/24/2023 1:02:37 PM	73339
EPA METHOD 8260B: VOLATILES SHORT LIST	Γ				Analyst	:: JR
Benzene	ND	0.12	mg/Kg	1	2/23/2023 10:18:06 PM	R94839
Toluene	ND	0.24	mg/Kg	1	2/23/2023 10:18:06 PM	R94839
Ethylbenzene	ND	0.24	mg/Kg	1	2/23/2023 10:18:06 PM	R94839
Xylenes, Total	ND	0.48	mg/Kg	1	2/23/2023 10:18:06 PM	R94839
Surr: 1,2-Dichloroethane-d4	98.1	70-130	%Rec	1	2/23/2023 10:18:06 PM	R94839
Surr: 4-Bromofluorobenzene	95.8	70-130	%Rec	1	2/23/2023 10:18:06 PM	R94839
Surr: Dibromofluoromethane	107	70-130	%Rec	1	2/23/2023 10:18:06 PM	R94839
Surr: Toluene-d8	94.1	70-130	%Rec	1	2/23/2023 10:18:06 PM	R94839

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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 3/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-67 4ft

 Project:
 Dayton ER Battery
 Collection Date: 2/21/2023 9:45:00 AM

 Lab ID:
 2302A11-010
 Matrix: SOIL
 Received Date: 2/23/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	1600	60	mg/Kg	20	2/24/2023 1:22:51 PM	73368
EPA METHOD 8015D MOD: GASOLINE RANGE					Analys	t: JR
Gasoline Range Organics (GRO)	ND	3.8	mg/Kg	1	2/24/2023 1:01:08 AM	G94839
Surr: BFB	112	70-130	%Rec	1	2/24/2023 1:01:08 AM	G94839
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analys	: DGH
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/24/2023 1:13:11 PM	73339
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/24/2023 1:13:11 PM	73339
Surr: DNOP	86.6	69-147	%Rec	1	2/24/2023 1:13:11 PM	73339
EPA METHOD 8260B: VOLATILES SHORT LIST	Г				Analys	t: JR
Benzene	ND	0.019	mg/Kg	1	2/24/2023 1:01:08 AM	R94839
Toluene	ND	0.038	mg/Kg	1	2/24/2023 1:01:08 AM	R94839
Ethylbenzene	ND	0.038	mg/Kg	1	2/24/2023 1:01:08 AM	R94839
Xylenes, Total	ND	0.075	mg/Kg	1	2/24/2023 1:01:08 AM	R94839
Surr: 1,2-Dichloroethane-d4	94.4	70-130	%Rec	1	2/24/2023 1:01:08 AM	R94839
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	2/24/2023 1:01:08 AM	R94839
Surr: Dibromofluoromethane	103	70-130	%Rec	1	2/24/2023 1:01:08 AM	R94839
Surr: Toluene-d8	95.1	70-130	%Rec	1	2/24/2023 1:01:08 AM	R94839

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

8 % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Date Reported: 3/3/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-68 4ft

 Project:
 Dayton ER Battery
 Collection Date: 2/21/2023 9:50:00 AM

 Lab ID:
 2302A11-011
 Matrix: SOIL
 Received Date: 2/23/2023 7:30:00 AM

Analyses	Result	RL (Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	: JMT
Chloride	2000	150	mg/Kg	50	2/24/2023 3:05:48 PM	73368
EPA METHOD 8015D MOD: GASOLINE RANG	E				Analys	t: JR
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	2/24/2023 1:28:12 AM	G94839
Surr: BFB	107	70-130	%Rec	1	2/24/2023 1:28:12 AM	G94839
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	: DGH
Diesel Range Organics (DRO)	12	9.4	mg/Kg	1	2/24/2023 1:23:45 PM	73339
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/24/2023 1:23:45 PM	73339
Surr: DNOP	92.8	69-147	%Rec	1	2/24/2023 1:23:45 PM	73339
EPA METHOD 8260B: VOLATILES SHORT LIS	T				Analys	t: JR
Benzene	ND	0.018	mg/Kg	1	2/24/2023 1:28:12 AM	R94839
Toluene	ND	0.037	mg/Kg	1	2/24/2023 1:28:12 AM	R94839
Ethylbenzene	ND	0.037	mg/Kg	1	2/24/2023 1:28:12 AM	R94839
Xylenes, Total	ND	0.073	mg/Kg	1	2/24/2023 1:28:12 AM	R94839
Surr: 1,2-Dichloroethane-d4	95.7	70-130	%Rec	1	2/24/2023 1:28:12 AM	R94839
Surr: 4-Bromofluorobenzene	94.4	70-130	%Rec	1	2/24/2023 1:28:12 AM	R94839
Surr: Dibromofluoromethane	101	70-130	%Rec	1	2/24/2023 1:28:12 AM	R94839
Surr: Toluene-d8	92.6	70-130	%Rec	1	2/24/2023 1:28:12 AM	R94839

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2302A11 03-Mar-23

Client: EOG

Project: Dayton ER Battery

Sample ID: LCS-73368 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 73368 RunNo: 94864

Prep Date: 2/24/2023 Analysis Date: 2/24/2023 SeqNo: 3429240 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 96.5 90 110

Sample ID: MB-73368 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 73368 RunNo: 94864

Prep Date: 2/24/2023 Analysis Date: 2/24/2023 SeqNo: 3429242 Units: mg/Kg

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

Chloride ND 1.5

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

S % Recovery outside of standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory, Inc.

WO#: 2302A11

03-Mar-23

Client: EOG

Project: Dayton ER Battery

Sample ID: LCS-73339 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 73339 RunNo: 94863

Analysis Date: 2/24/2023 SeqNo: 3428599 Prep Date: 2/23/2023 Units: mq/Kq

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 10 42 50.00 n 84.7 61.9 130 Surr: DNOP 4.4 5 000 87.4 147

Sample ID: MB-73339 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: PRS Batch ID: 73339 RunNo: 94863

Prep Date: 2/23/2023 Analysis Date: 2/24/2023 SeqNo: 3428601 Units: mq/Kq

%RPD SPK value SPK Ref Val **RPDLimit** Analyte Result **PQL** %REC LowLimit HighLimit Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50

147

Surr: DNOP 9.5 10.00 94.6

Sample ID: MB-73474 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Batch ID: 73474 Client ID: **PBS** RunNo: 94965

Prep Date: 3/2/2023 Analysis Date: 3/2/2023 SeqNo: 3434009 Units: %Rec

SPK value SPK Ref Val %REC **PQL** %RPD **RPDLimit** Analyte Result LowLimit HighLimit Qual Surr: DNOP 8.4 10.00 84.0 69 147

Sample ID: LCS-73474 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 73474 RunNo: 94965 Prep Date: 3/2/2023 Analysis Date: 3/2/2023 SeqNo: 3434010 Units: %Rec

SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POL SPK value Lowl imit HighLimit Qual Surr: DNOP 4.5 5.000 90.1 69 147

Sample ID: MB-73456 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Batch ID: 73456 Client ID: PRS RunNo: 94965 Prep Date: 3/1/2023 Analysis Date: 3/2/2023 SeqNo: 3434451 Units: %Rec

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Surr: DNOP 10.00 69 113 147

Sample ID: LCS-73456 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: LCS

Client ID: LCSS Batch ID: 73456 RunNo: 94965

Prep Date: Analysis Date: 3/2/2023 3/1/2023 SeqNo: 3434452 Units: %Rec

SPK Ref Val %RPD **RPDLimit** SPK value %REC Qual Analyte Result POI I owl imit HighLimit

Surr: DNOP 5.0 5.000 100 69 147

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

Reporting Limit RL

Page 12 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302A11**

03-Mar-23

Client: EOG

Project: Dayton ER Battery

Sample ID: 100ng Ics	Samp ¹	Гуре: LC :	s	TestCode: EPA Method 8			8260B: Volati	iles Short	List	
Client ID: LCSS	Batc	h ID: R9 4	4839	RunNo: 94839						
Prep Date:	Analysis [Date: 2/2	23/2023	5	SeqNo: 34	127530	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	109	70	130			
Toluene	1.0	0.050	1.000	0	102	70	130			
Surr: 1,2-Dichloroethane-d4	0.48		0.5000		95.1	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.4	70	130			
Surr: Dibromofluoromethane	0.53		0.5000		106	70	130			
Surr: Toluene-d8	0.46		0.5000		92.2	70	130			

Sample ID: MB	Samp	Гуре: МЕ	MBLK TestCode: EPA Method 8			od 8260B: Volatiles Short List				
Client ID: PBS	Batc	h ID: R9	4839	RunNo: 94839						
Prep Date:	Analysis [Date: 2/ 2	23/2023	;	SeqNo: 34	427553	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: 1,2-Dichloroethane-d4	0.44		0.5000		88.7	70	130			
Surr: 4-Bromofluorobenzene	0.47		0.5000		94.8	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.49		0.5000		97.4	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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 13 of 14

Hall Environmental Analysis Laboratory, Inc.

WO#: **2302A11** *03-Mar-23*

Client: EOG

Project: Dayton ER Battery

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: LCSS Batch ID: G94839 RunNo: 94839

Prep Date: Analysis Date: 2/23/2023 SeqNo: 3427573 Units: mg/Kg

Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 27 5.0 25.00 0 70 107 130 Surr: BFB 530 500.0 106 70 130

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range

Client ID: PBS Batch ID: G94839 RunNo: 94839

Prep Date: Analysis Date: 2/23/2023 SeqNo: 3427598 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 540 500.0 108 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 standard limits. If undiluted results may be estimated.

B Analyte detected in the associated Method Blank

E Above Quantitation Range/Estimated Value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 14 of 14



Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

		hallenvironmei			
Client Name: EOG	Work Order Number	er: 2302A11		RcptNo:	1
Received By: Tracy Casarrubias	2/23/2023 7:30:00 A	M			
Completed By: Tracy Casarrubias	2/23/2023 8:18:26 A	М			
Reviewed By: Sec 2 (23/23					
Chain of Custody					
1. Is Chain of Custody complete?		Yes 🗸	No 🗌	Not Present	
2. How was the sample delivered?		Courier			
<u>Log In</u> 3. Was an attempt made to cool the samples	?	Yes 🗹	No 🗌	NA 🗆	
4. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes 🗹	No 🗌	na 🗆	
5. Sample(s) in proper container(s)?		Yes 🗹	No 🗌		
6. Sufficient sample volume for indicated test(s)?	Yes 🗹	No 🗌		
7. Are samples (except VOA and ONG) prope	rly preserved?	Yes 🗹	No 🗌		
8. Was preservative added to bottles?		Yes 🗌	No 🗹	NA 🗆	
9. Received at least 1 vial with headspace <1/	4" for AQ VOA?	Yes 🗌	No 🗌	NA 🗹	
(). Were any sample containers received brok	en?	Yes	No 🗹	# of preserved bottles checked	
Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes 🗹	No 🗌	for pH:	12 unless noted)
2. Are matrices correctly identified on Chain of	Custody?	Yes 🗹	No 🗌	Adjusted?	
3. Is it clear what analyses were requested?		Yes 🔽	No 🗌		
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗆	Checked by:	M 2/23/2
pecial Handling (if applicable)					
15. Was client notified of all discrepancies with	this order?	Yes 🗌	No 🗆	na 🗹	
Person Notified:	Date:				
By Whom:	Via:	eMail	Phone 🗌 Fax	In Person	
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. Cooler Information Cooler No Temp °C Condition S	Seal Intact Seal No	Seal Date	Signed By		
1 5.3 Good Ye		Cour Date	Oignou by		

Received by OCD: 4/20/2023 9:16:46 AM

Chain-of-Custody Record		HALL ENVIRONMENTAL
Slient: EOS (650VCOS	Standard Rush NXX	ANALYSIS LABORATORY
(Nev+CK)	· L	www.hallenvironmental.com
Mailing Address: On File	Dertol Lotted	4901 Hawkins NE - Albuquerque, NM 87109
		Tel. 505-345-3975 Fax 505-345-4107
Phone #:	22-00163-	Analysis Request
email or Fax#:	Project Manager:	(O)
DA/QC Package:	Charles Dixov	NES SMI
☐ Standard ☐ Level 4 (Full Validation)		OS 08 08 08 08
 	Sampler: Ferrowdo Lod via JOS	(1.4 D)
□ NELAC □ Other		98/86 90/3 90/3
□ EDD (Type)	•	TBE cide cide 31(NO /)
	Cooler Temp(Including CF): 5-4-0-1 - 5-3 (°C	TM Gesti Aeth Meth 8 W 8 M 8 M 8 M 50 70
		PH:80 PH:80 PH:81 PH:1 PH:1 PH:1 PH:1 PH:1 PH:1 PH:1 PH:
Date Time Matrix Sample Name	Type and # Type	88 (CI)
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If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the Released to Imaging: 5/1/2023 9:59:25 AM



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

March 08, 2023

Chance Dixon
EOG
105 South Fourth Street
Artesia, NM 88210
TEL:
FAX:

RE: Dayton ER Battery OrderNo.: 2303173

Dear Chance Dixon:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/3/2023 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report Lab Order 2303173

Date Reported: 3/8/2023

Hall Environmental Analysis Laboratory, Inc.

CLIENT: EOG Client Sample ID: BES23-54 4.5'

Project: Dayton ER Battery **Collection Date:** 3/1/2023 12:00:00 PM

Lab ID: 2303173-001 **Matrix:** MEOH (SOIL) **Received Date:** 3/3/2023 7:30:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: JTT
Chloride	2100	60	mg/Kg	20	3/3/2023 11:13:52 AM	73498
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: DGH
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/3/2023 1:48:27 PM	73494
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/3/2023 1:48:27 PM	73494
Surr: DNOP	101	69-147	%Rec	1	3/3/2023 1:48:27 PM	73494
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: CCM
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	3/3/2023 11:50:00 AM	GS95008
Surr: BFB	89.0	37.7-212	%Rec	1	3/3/2023 11:50:00 AM	GS95008
EPA METHOD 8021B: VOLATILES					Analys	t: CCM
Benzene	ND	0.019	mg/Kg	1	3/3/2023 11:50:00 AM	BS95008
Toluene	ND	0.039	mg/Kg	1	3/3/2023 11:50:00 AM	BS95008
Ethylbenzene	ND	0.039	mg/Kg	1	3/3/2023 11:50:00 AM	BS95008
Xylenes, Total	ND	0.077	mg/Kg	1	3/3/2023 11:50:00 AM	BS95008
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	3/3/2023 11:50:00 AM	BS95008

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 standard limits. If undiluted results may be estimated.
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 1 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303173

08-Mar-23

Client: EOG

Project: Dayton ER Battery

Sample ID: MB-73498 SampType: MBLK TestCode: EPA Method 300.0: Anions

PBS Client ID: Batch ID: 73498 RunNo: 95029

Prep Date: 3/3/2023 Analysis Date: 3/3/2023 SeqNo: 3436122 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-73498 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 73498 RunNo: 95029

Prep Date: 3/3/2023 Analysis Date: 3/3/2023 SeqNo: 3436123 Units: mg/Kg

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

Chloride 15.00 92.9 110

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 2 of 5

Hall Environmental Analysis Laboratory, Inc.

9.2

WO#: **2303173**

08-Mar-23

Client: EOG

Surr: DNOP

Project: Dayton ER Battery

Sample ID: LCS-73494	SampT	SampType: LCS TestCode: EPA Method 8				8015M/D: Die	sel Range	Organics		
Client ID: LCSS	Batch	ID: 73 4	194	RunNo: 95019						
Prep Date: 3/3/2023	Analysis D	ate: 3/ 3	3/2023	SeqNo: 3435790			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.9	61.9	130			
Surr: DNOP	4.6		5.000		91.2	69	147			

Sample ID: MB-73494 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 73494 RunNo: 95019 Prep Date: 3/3/2023 Analysis Date: 3/3/2023 SeqNo: 3435793 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50

91.9

69

147

10.00

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

Page 3 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: 2303173 08-Mar-23

Client: EOG

Project: Dayton ER Battery

Sample ID: 2.5ug gro Ics SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: GS95008 RunNo: 95008 Units: mg/Kg Prep Date: Analysis Date: 3/3/2023 SeqNo: 3436369 Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Result Gasoline Range Organics (GRO) 23 5.0 25.00 0 91.4 72.3 137 Surr: BFB 2100 1000 213 37.7 212 S

Sample ID: mb SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: Batch ID: GS95008 **PBS** RunNo: 95008 Prep Date: Analysis Date: 3/3/2023 SeqNo: 3436370 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0

Surr: BFB

990

1000

98.8

37.7

212

Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of standard limits. If undiluted results may be estimated.

Analyte detected in the associated Method Blank

Above Quantitation Range/Estimated Value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 4 of 5

Hall Environmental Analysis Laboratory, Inc.

WO#: **2303173**

08-Mar-23

Client: EOG

Project: Dayton ER Battery

Sample ID: 100ng btex Ics	Samp	Гуре: LC :	S	Tes	tCode: EF	PA Method	d 8021B: Volatiles					
Client ID: LCSS	Batcl	h ID: BS	95008	F	5008							
Prep Date:	Analysis [Date: 3/3	3/2023	SeqNo: 3436432			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	88.8	80	120					
Toluene	0.89	0.050	1.000	0	89.4	80	120					
Ethylbenzene	0.90	0.050	1.000	0	90.2	80	120					
Xylenes, Total	2.7	0.10	3.000	0	90.2	80	120					
Surr: 4-Bromofluorobenzene	1.1		1.000		105	70	130					

Sample ID: mb	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batcl	n ID: BS	95008	F	RunNo: 9	5008				
Prep Date:	Analysis D	Date: 3/3	3/2023	5	SeqNo: 34	436433	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	1.0		1.000		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
- B Analyte detected in the associated Method Blank
- E Above Quantitation Range/Estimated Value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 5

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

Sample Log-In Check List

Released to Imaging: 5/1/2023 9:59:25 AM

	ıs	Vebsite: www.ha	llenvir	onme	ntal.com		
Client Name: EOG	Work ^e	Order Number:	2303	3173			RcptNo: 1
Received By: Tracy Casarru	ubias 3/3/2023	3 7:30:00 AM					
Completed By: Tracy Casarre	ubias 3/3/2023	3 7:37:24 AM					
Reviewed By: CMC	3/3/23	•					
Chain of Custody							
1. Is Chain of Custody complete	?		Yes		No	✓	Not Present 🗌
2. How was the sample delivered	1?		Cour	<u>ier</u>			
<u>Log In</u> 3. Was an attempt made to cool	the samples?		Yes	V	No		na 🗆
4. Were all samples received at a	a temperature of >0° C to	o 6.0°C	Yes	✓	No		na 🗆
5. Sample(s) in proper container	(s)?		Yes	V	No		
6. Sufficient sample volume for in	dicated test(s)?		Yes	✓	No		
7. Are samples (except VOA and	ONG) properly preserve	d?	Yes	Y	No		
8. Was preservative added to bot	tles?		Yes		No	✓	na 🗆
9. Received at least 1 vial with he	eadspace <1/4" for AQ V	OA?	Yes		No		NA ☑
10. Were any sample containers r	eceived broken?		Yes		No	V	# of preserved
11. Does paperwork match bottle I (Note discrepancies on chain of			Yes	V	No		bottles checked for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified	d on Chain of Custody?		Yes	V	No		Adjusted?
13. Is it clear what analyses were r	equested?		Yes	Y	No		
14. Were all holding times able to (If no, notify customer for author)			Yes	✓	No		Checked by: TWC 3/3/23
Special Handling (if applic	able)						
15. Was client notified of all discre	pancies with this order?		Yes		No		NA 🗹
Person Notified: By Whom: Regarding:		Date: ☐] eMa] li <i>t</i>] Phone []	Fax	☐ In Person
Client Instructions:				-			
16. Additional remarks:							
17. Cooler Information	N 190				1		1 de la companya de la companya de la companya de la companya de la companya de la companya de la companya de
	Condition Seal Intact		eal Da	ite	Signed B	Ву	
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mining in anomal in illinois		HALL ENVIRONMENTAL
Client: £06 / Vertex	□ Standard □ Rush	ANALYSIS LABORATORY
	Project Name:	www.hallenvironmental.com
Mailing Address: On 15,1/2	genien	4901 Hawkins NE - Albuquerque, NM 87109
	Project #:	Tel. 505-345-3975 Fax 505-345-4107
Phone #:	22E-00123	Anal
Fax#: /	Project Manager:	*OS
; e	Chance Dixon	8,80 SWI
☐ Standard ☐ Level 4 (Full Validation)		OF 2010
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□ Other	On Ice: TY Yes INO Macury	OS- 3/26 3/26 3/3/10/10/10/10/10/10/10/10/10/10/10/10/10/
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Date: Time: Relinquished by:		
They prop admiran	3/8/11 1:00	their manufallity. Any onthe anathraph data will be clearly notated on the analytical report.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of Released to Imaging: 5/1/2023 9:59:25 AM

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

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**

COMMENTS

Action 209319

COMMENTS

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	209319
	Action Type:
	[C-141] Release Corrective Action (C-141)

COMMENTS

Created By		Comment Date
michael.buchanan	We have received your closure report and final C-141 for Incident # nMLB1122253079 Daytona ER Battery, thank you. This closure is approved. Please let me know if you have any further questions. Regards, Mike Buchanan	5/1/2023

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CONDITIONS

Action 209319

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CONDITIONS

Created By		Condition Date	
michael.buchanan	None	5/1/2023	