

 

 September 6, 2022
 Vertex Project #: 22E-00716-011

 Spill Closure Report:
 Julie #2 Battery (Section 8, Township 19 South, Range 25 East) API: 30-015-25905 County: Eddy Incident Report: NAB1714648527 (2RP-4225), NAB1736130254 (2RP-4531)

 Prepared For:
 EOG Resources, Inc. 104 South 4<sup>th</sup> Street Artesia, New Mexico 88210

New Mexico Oil Conservation Division - District 2 - Eddy 811 South 1<sup>st</sup> Street Artesia, New Mexico 88210

EOG Resources, Inc. (EOG) retained Vertex Resource Services Inc. (Vertex) to conduct Remediation for historical releases that occurred at the Julie #2 Battery, Incident NAB1714648527 and NAB1736130254 (hereafter referred to as "Julie"). EOG provided notifications to New Mexico Oil Conservation District (NMOCD) District 2 via submission of an initial C-141 Release Notification (Attachment 1). This letter provides a description of the Spill Assessment and includes a request for Spill Closure. The spill area is located at N 32.67018, W -104.50915.

#### Background

The site is located approximately 8.4 miles southwest of Dayton, New Mexico. The legal location for the site is Section 8, Township 19 South and Range 25 East in Eddy County, New Mexico. The spill area is located on private property. An aerial photograph and site schematic are included in Attachment 2. *The Geological Map of New Mexico* indicates the surface geology at Julie is comprised primarily of QP-Piedmont alluvial deposits from the Holocene to lower Pleistocene ages (New Mexico Bureau of Geology and Mineral Resources, 2021). The United States Department of Agriculture Web Soil Survey characterizes the soil at the site as Reagan-Upton association. The soil is well-drained with a high runoff and low to moderately high moisture levels in the profile. The karst geology potential for Julie is medium (United States Department of the Interior, Bureau of Land Management, 2018).

There is no surface water located at Julie. The nearest significant watercourse, as defined in Subsection P of 19.15.17.7 NMAC, is an intermittent stream located approximately 0.36 miles southwest of the site. At Julie, 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.

#### **Incident Description**

Two releases occurred at Julie on May 5, 2017, and December 10, 2017 due to malfunctioning check valve on the produced water line. The first release was reported on May 23, 2017 and second release reported on December 11, 2017. Both spills involved the release of produced water resulting in the approximate total of 65 barrels (bbl.) of produced water onto the engineered pad and part of the adjacent pasture. The second release occurred on top of the vertex.ca

#### EOG Resources, Inc. Julie #2 Battery, NAB1714648527, NAB1736130254

same area the first release occurred. Approximately 52 bbl. of free fluid was removed during initial spill clean-up. The New Mexico Oil Conservation Division (NMOCD) C-141 Reports: NAB1714648527 and NAB1736130254 are included in Attachment 1. The Daily Field Report (DFRs) and site photographs are included in Attachment 4.

An initial site inspection of the spill area was completed by Souder, Miller, and Associates (SMA) on February 21, 2018, which identified the area of the spill specified in the initial C-141 Reports. SMA personnel estimated the approximate extent of the release and white lined the area thereafter as required for the 811 One Call request. The Remediation Workplan was submitted by SMA and approved by NMOCD.

The approved Remediation Workplan submitted by SMA stated that the scope of work was to complete excavation of the contaminated soil and place a liner within the excavation area before backfilling. EOG requested that Vertex complete excavation to the most stringent criteria of impacted soils to meet the stipulations requested by the private landowner.

The closure criteria determined for the site are associated with the following constituent concentration limits as presented in Table 1.

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

Vertex began remediation efforts on June 7, 2022, and completed confirmation sampling on August 25, 2022. Vertex personnel supervised the excavation of impacted soils throughout the remedial process. Field screening was completed on multiple sample points and consisted of analysis using a Photo Ionization Detector (volatile hydrocarbons), Dexsil Petroflag using EPA SW-846 Method 9074 (extractable hydrocarbons) and Titration/EC Meter (chlorides). 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 20.5 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 in the DFRs in Attachment 4.

As excavation progressed sample points were used to determine areas in need of further excavation and points determined above criteria were excavated out and a new sample point was used. An excavation schematic (Figure 1) is provided to show points that were stepped out and a confirmatory schematic (Figure 2) is provided to show the square

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#### EOG Resources, Inc. Julie #2 Battery, NAB1714648527, NAB1736130254

footage and sample points used for final confirmatory sampling. Field screening and laboratory results for confirmation sampling are in Table 2, Attachment 3.

Notification of confirmatory sample collection was provided to the NMOCD on multiple dates as listed: June 16, 2022, June 23, 2022, July 13, 2022, August 15, 2022, and August 22, 2022, and are included in Attachment 5. Confirmatory composite samples were collected from the base and walls of the excavation in 200 square foot increments. A total of 45 samples were collected for laboratory analysis following NMOCD soil sampling procedures. Total square footage of the excavation was approximately 1,815 square feet. Samples were submitted to Hall Environmental Laboratory 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.

#### **Closure Request**

These releases occurred prior to the passage of the Spill Rule (NMAC 19.15.29), however the NMOCD did approve a Remediation Plan to address the site. Although the remedial actions completed for the impacted area differed from the approval plan due to the landowner stipulations, the most stringent criteria of Table 1 were achieved during remediation of the site. Based off completion of these activities, EOG Resources, Inc. requests closure of the Incidents NAB1714648527 and NAB1736130254.

Should you have any questions or concerns, please do not hesitate to contact the undersigned at 575.361.9880 or mpeppin@vertex.ca.

Monica Peppin, A.S. PROJECT MANAGER, REPORTING

September 6, 2022

#### **Attachments**

- Attachment 1. NMOCD C-141 Reports
- Attachment 2. Figures
- Attachment 3. Table 2 Field screening and Laboratory Results
- Attachment 4. Daily Field Report(s) with Pictures
- Attachment 5. Confirmatory Sampling Notifications
- Attachment 6. Laboratory Data Reports and COCs

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#### References

- Interactive Geologic Map. New Mexico Bureau of Geology and Mineral Resources, (2022). Retrieved from http://geoinfo.nmt.edu
- National Wetland Inventory Surface Waters and Wetland. United State Fish and Wildlife Service, (2022). Retrieved from https://www.fws.gov/wetlands/data/mapper.html
- Natural Resources and Wildlife Oil and Gas Releases. New Mexico Oil Conservation Division, (2019). Santa Fe, New Mexico.

*New Mexico Cave/Karsts*. United States Department of the Interior, Bureau of Land Management, (2019) Retrieved from https://www.blm.gov/programs/recreation/recreation-programs/caves/new-mexico

Soil Survey, New Mexico. United States Department of Agriculture, Soil Conservation Service in Cooperation with New Mexico Agricultural Experiment Station. (1971). Retrieved from http://www.wipp.energy.gov/library/Information\_Repository\_A/Supplemental\_Information/Chugg%20et%20al% 201971%20w-map.pdf

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#### 2022 Spill Assessment and Closure September 2022

#### 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.

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### **ATTACHMENT 1**

### NM OIL CONSERVATIO

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District I		<b>G</b> ( )	() T ) (		ARTESIA DI		אכ	
District I 1625 N. French Dr., Hobbs, NM 88240 District II	Ener		f New Mex s and Natura		MAY 2 3	Form C-141 Revised August 8, 2011		
811 S. First St., Artesia, NM 88210 District III			ervation Div					
1000 Rio Brazos Road, Aztec, NM 87410 District IV	th St. Franc		RECEI	ED	ce with 19.15.29 NMAC.			
1220 S. St. Francis Dr., Santa Fe, NM 87505		Santa I	Fe, NM 875	05	<u></u>	<u></u>		
	Release No	otificatio	on and Co	orrective A	ction			
NAB1/114648527			OPERA'	FOR	$\boxtimes$	Initial Repo	ort 🔲 Final Report	
Name of Company EOG Y Resources, Inc.	OGRI 25575	D Number	Contact Robert Ash	er	New fo	rms can l	be found in the	
Address			Telephone 1	No.	New Mexic	o State \	Nebsite in forms:	
104 S. 4 <sup>th</sup> Street Facility Name			575-748-14 Facility Typ		<u>nup://v</u>	ww.emnr DCD/forn	d.state.nm.us/	
Julie #2 Battery			Battery		-			
Surface Owner Fee	Mii Fee	neral Owner	•		AP	I No. 3	0015-25905	
	I	OCATIO	ON OF RE	LEASE				
Unit Letter Section Township F N 8 19S	RangeFeet from25E660		h/South Line South	Feet from the 1980	East/West L West	ine Count Eddy	у	
ttt	Latitud	e_32.67042	2_Longitud	e_104.50895_	<b>.</b>	L		
		NATURI	E OF REL					
Type of Release Produced Water						Volume Recovered 2 B/PW		
Source of Release Check Valve			Date and Hour of OccurrenceDate and Hour of Discovery5/5/2017; AM5/5/2017; AM					
Was Immediate Notice Given?	(es 🗌 No 🖾	Not Require	If YES, To Whom?					
By Whom? N/A			Date and Hour N/A					
Was a Watercourse Reached?			If YES, Volume Impacting the Watercourse.					
If a Watercourse was Impacted, Describe	Yes 🛛 No Fully.*							
Describe Cause of Problem and Remedia								
A check valve failed, causing the release	. Vacuum truck(s)	and roustabo	out crews were	called.				
Describe Area Affected and Cleanup Act An approximate area of 40'X 30'. Releas was called to make repairs. Vertical and TPH & BTEX are under RRAL's (site ra above the RRAL's a work plan will be su NMOSE), Wellhead Protection Area: I	se was on the west horizontal delinea nking is 10) a Fin ubmitted to the OC No, Distance to S	tion samples al Report, C- CD. Depth to urface Wate	will be taken an 141 will be sub Ground Wat r Body: >1000	nd analysis ran fo mitted to the OCI er: 50-99' (appro ', SITE RANKII	r TPH & BTE. D requesting cl oximately 72', NG IS 10.	X. If initial is losure. If the Section 17,	analytical results for e analytical results are T19S-R25E, per the	
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 laws and/or regulations.								
Signature: CJAQ	<u>ال</u>		OIL CONSERVATION DIVISION					
Printed Name: Robert Asher			Approved by	Environmental S	pocialist.	NRAMEN	<u>. 57 </u>	
Title: Environmental Supervisor			Approval Da	te: 5/26/1	7 Expira	tion Date:	NIA	
E-mail Address: Robert Asher@eogreso	urces.com		Conditions o	f Approval:		, I.u	abod [7]	
Date: May 23, 2017	Phone: 575-748-	4217	2RP-	Spp) Q1	Harhan		ched	
Attach Additional Sheets If Necessary	y		L		- TUPILA		2RP-4225	

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Oil Conservation Division

Incident ID	NAB1714648527
District RP	2RP-4225
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.

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

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

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

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

X Description of remediation activities

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

Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr					
Signature:Chase Settle	Date:09/07/2022					
email: <u>chase_settle@eogresources.com</u>	Telephone:575-748-4171					
OCD Only						
<u>OCD Olity</u>						
Received by: OCD	Date:9/8/2022					
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.						
Closure Approved by: <u>Ashlay Maywell</u>	Date: 10/11/2022					
Printed Name: Ashley Maxwell	Title: Environmental Specialist					

District I 1625 N. French Dr., Hobbs, NM 88240

#### NM OIL CONSERVATION

ARTESIA DISTRICT

State of New Mexico Energy Minerals and Natural Resource DEC 1 9 2017

Submit 1	Copy to appropriate accordance with	District C	)ffic
RECEIVED		19.15.29 1	NM

1625 N. French District II				Energy Minerals and Natural Resource DEC <b>1 9 2017</b> Form C-141 Revised April 3, 2017										
811 S. First St., <u>District III</u> 1000 Rio Brazo <u>District IV</u> 1220 S. St. Frar	os Road, Azte	c, NM 87410	5	Oil Conser 1220 South			vation Div	vision cis Dr. R		mit 1 Copy	to appropr coordance w	iate Dist /ith 19.1	trict Office	in C.
			Rele	ase	• Notific	atio	n and Co	orrective A	Action					
nnz	1736	120 15.				OPH	ERATOR							
Name of Co		120224	<u>}</u>				Contact	<u> </u>		🛛 Initi	al Report		Final Rep	ort
EOG Y Res		с.	2	55	75		Contact Chase Settle	e						
Address	<u>2</u>						Telephone 1	No.						-1
104 S. 4th SFacility Nation		ia NM 8821	0				575-748-14			<u> </u>				
Julie #2 Bat							Facility Typ Battery	be						
Surface Ow					Min ar-1 0			· · · · · · · · · · · · · · · · · · ·						 
Private	mer				Mineral O Private	wner				API No 30-015-				
		~								1 30 013				]
Unit Letter	Section	Township	Range	Fee	LOCA t from the		N OF RE	Feet from the	East/W	/est Line	County			
N	8	19S	25E		60	South	-	1980		est	Eddy			
			I	Latit	tude 32.67(		ngitude -10	4.50915 NAD	83					
			-			_	-							
Type of Rele	ease		<u> </u>			UNE	E OF RELEASE Volume of Release			Volume Recovered				
Produced Wa	ater						60 B/PW			50 B/PW				
Source of Re Check valve		d water transf	er line				Date and F	Hour of Occurrer 7. PM	nce		Hour of Dis 17; 12:10 Pl			
Was Immedi		Given?					If YES, To Whom?				-			
		K	Yes 📋	No	Not Re	equired								
By Whom? Robert Ashe	r						Date and Hour December 11, 2017; 4:19 PM							
Was a Water			·		···		If YES, Volume Impacting the Watercourse.							
			Yes 🛛	No				-						
		pacted, Descr			/A									_
		em and Reme check valve o				line. wł	nich led to the	release of produ	iced wate	r. A vacui	um truck wa	is called	to recover	
		khoe was disp												E E
Describe Area Affected and Cleanup Action Taken.*														
The impacted area was approximately 50 feet by 70 feet outside of the battery berm on the north side of the battery. Vertical and horizontal														
delineation samples will be taken and analysis ran for TPH & BTEX (chlorides for documentation). If initial analytical results for TPH & BTEX are under ARA Us (site ranking is 0) a Final Perpet Co141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAU's a work														
RRAL's (site ranking is 0) a Final Report, C-141 will be submitted to the OCD requesting closure. If the analytical results are above the RRAL's a work plan will be submitted to the OCD. Depth to Ground Water: >100' (110', Section 8, T19S, R25E, per NMOSE, USGS), Wellhead Protection														
Area: No, Distance to Surface Water Body: >1000', SITE RANKING IS 0. 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														
								nd perform corre						
								harked as "Final						
								ion that pose a the operator o						
	e, or local la	ws and/or reg												
Signature:	Chan .	Setto						OIL COM	<u>NSERV</u>	AHON	DIVISI		2	_ , _
								Environmental		Acc	onto	1 f	or r	eppe
Printed Nam	e: Chase So	ettle			······································		Approved by	Environmental	Specialist	: MU	epic	<u>v</u>	- AN	L.

Title: Rep Safety & Environmental II	Approval Date: 12/2/01/17	Expiration Date: N/A	
E-mail Address: chase_settle@eogresources.com	Conditions of Approval:	Attached XC	
Date: December 19, 2017 Phone:575-748-4171	see attache	a app-4531	

Attach	Additio	onal Sheets	If Nece	essary
	- 1			

12/22/17AB

Form C-141 Revised April 3, 2017

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Oil Conservation Division

	Page 10 of 12	4
Incident ID	NAB1736130254	
District RP	2RP-4531	
Facility ID		
Application ID		

# Closure

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X Description of remediation activities

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

Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr						
Signature: Chase Settle	Date: 09/07/2022						
email: <u>chase_settle@eogresources.com</u>	Telephone:575-748-4171						
OCD Only							
<u>och omy</u>							
Received by: OCD	Date: 9/8/2022						
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible							
party of compliance with any other federal, state, or local laws and	· · · · ·						
Closure Approved by: <u>Ashley Maxwell</u>	Date: <u>10/11/2022</u>						
Printed Name: Ashley Maxwell	Title: Environmental Specialist						

### **ATTACHMENT 2**





Released to Imaging: 10/11/2022 2:58:30 PM





Released to Imaging: 10/11/2022 2:58:30 PM



### **ATTACHMENT 3**

Client Name: EOG Resources, Inc. Site Name: Julie #2 Tank Battery NMOCD Tracking #: nAB1714648527 Project #: 22E-00716-011 Lab Reports: 2206E65, 2207061, 2207186, 2207B81, 2207B16, 2208G88

	Table 2. Confirmatory Sample Field Screen and Laboratory Results - Depth to Groundwater <50 feet bgs												
9	Sample Description Field Screening					Petrole	eum Hydroo	arbons					
			s			Vol	atile			Extractable	2		Inorganic
Sample ID	Depth (ft)	Sample Date	(PID) (PID) (PID)	Extractable Organic Compounds (PetroFlag)	(mdd) (mdd) (mdd)	euseuse (mg/kg)	a) (a) (a) (b) (b)	ଅ ଅ Gasoline Range Organics ଜୁ (GRO)	ଅ ଅ Diesel Range Organics ଅନ୍ (DRO)	a) Motor Oil Range Organics (없 (MRO)	(000 + DKO) (mg/kg)	ଇଥି Total Petroleum ଅନ୍ଧି ସୁଧାydrocarbons (TPH)	ସ୍ଥି ଅନୁ ସିଥି ସିଥି
BES22-01	4	7/1/2022	0	0	128	ND	ND	ND	ND	ND	ND	ND	340
BES22-02	20	6/30/2022	0	55	128	ND	ND	ND	ND	ND	ND	ND	160
BES22-03	4	7/1/2022	0	51	115	ND	ND	ND	ND	ND	ND	ND	340
BES22-04	6	7/1/2022	0	44	415	ND	ND	ND	ND	ND	ND	ND	74
BES22-05	6	7/1/2022	0	113	310	ND	ND	ND	ND	ND	ND	ND	84
BES22-06	6	7/1/2022	0	84	31	ND	ND	ND	ND	ND	ND	ND	ND
BES22-07	6	7/1/2022	0	74	12	ND	ND	ND	ND	ND	ND	ND	ND
BES22-08	6	7/1/2022	0	70	31	ND	ND	ND	ND	ND	ND	ND	ND
BES22-09	20	7/21/2022	0	67	447	ND	ND	ND	ND	ND	ND	ND	890
BES22-09	20.5	8/25/2022	0	-	274	ND	ND	ND	ND	ND	ND	ND	ND
WES22-01	2	6/30/2022	0	9	49	ND	ND	ND	ND	ND	ND	ND	ND
WES22-05	2	6/27/2022	0	17	368	ND	ND	ND	ND	ND	ND	ND	360
WES22-05	4	6/27/2022	0	23	451	ND	ND	ND	ND	ND	ND	ND	430
WES22-08	2	6/30/2022	0	34	ND	ND	ND	ND	ND	ND	ND	ND	ND
WES22-09	2	6/30/2022	0	54	305	ND	ND	ND	ND	ND	ND	ND	ND
WES22-15	5	6/29/2022	0	34	ND	ND	ND	ND	ND	ND	ND	ND	71
WES22-15	10	6/29/2022	0	64	355	ND	ND	ND	ND	ND	ND	ND	100
WES22-15	15	6/29/2022	0	161	408	ND	ND	ND	ND	ND	ND	ND	210
WES22-19	2	6/27/2022	0	52	480	ND	ND	ND	ND	ND	ND	ND	290
WES22-19	4	6/27/2022	0	51	425	ND	ND	ND	ND	ND	ND	ND	360
WES22-24	2	6/30/2022	0	0	259	ND	ND	ND	ND	ND	ND	ND	130
WES22-24	4	6/30/2022	0	73	193	ND	ND	ND	ND	ND	ND	ND	370
WES22-25	2	6/27/2022	0	28	421	ND	ND	ND	ND	ND	ND	ND	150
WES22-25	4	6/27/2022	0	21	495	ND	ND	ND	ND	ND	ND	ND	210
WES22-29	10	6/29/2022	0	14	53	ND	ND	ND	ND	ND	ND	ND	95
WES22-29	16	6/29/2022	0	64	106	ND	ND	ND	ND	ND	ND	ND	ND
WES22-35	2	6/30/2022	0	59	239	ND	ND	ND	ND	ND	ND	ND	ND
WES22-35	4	6/30/2022	0	116	233	ND	ND	ND	ND	ND	ND	ND	64
WES22-35	2	6/30/2022	0	23	142	ND	ND	ND	ND	ND	ND	ND	ND
WES22-36	4	6/30/2022	0	31	ND	ND	ND	ND	ND	ND	ND	ND	310
WES22-30	2	7/20/2022	0	12	ND	ND	ND	ND	ND	ND	ND	ND	100
WES22-39 WES22-39	4	7/20/2022	0	64	ND ND	ND ND	ND	ND	ND ND	ND ND	ND ND	ND ND	100
WES22-39 WES22-40	2		0	34	ND	ND	ND	ND	ND	ND	ND	ND	ND
		7/20/2022	0			ND		ND	ND	ND	ND	ND	ND
WES22-41	10	7/21/2022	0	25 45	245	ND ND	ND ND	ND ND		ND ND	ND ND		ND ND
WES22-42	16	7/21/2022	U	45	236	ND	ND	ND	ND	עא ן		ND	ND

"ND" Not Detected at the Reporting Limit

"-" indicates not analyzed/assessed

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



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### **ATTACHMENT 4**



Client:	EOG Resources Inc.	Inspection Date:	6/7/2022			
Site Location Name:	Julie #2 Battery	Report Run Date:	6/7/2022 10:12 PM			
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	6/7/2022 8:10 AM					
Departed Site	6/7/2022 3:15 PM					

### **Field Notes**

9:16 Arrived on site to begin remediation for historical release.

9:16 Secondary line sweep was performed. Two small pieces of metal found. No lines found.

**9:26** Standard is currently working to hand spot pipeline in the area of the excavation. They will be working to get it fully exposed before digging out the proposed polygon

**9:28** Once all pipelines are exposed and crew is aware of them, we will excavate the proposed excavation area down to 4' and begin sampling.

### **Next Steps & Recommendations**

**1** Continue remediation tomorrow



**Site Photos** Viewing Direction: East Viewing Direction: Southeast Excavation area Excavation area Viewing Direction: West Viewing Direction: Northeast Current excavation Current excavation



#### **Daily Site Visit Signature**

Inspector: Chance Dixon

Signature:	$\bigcirc$
	Signature

Run on 6/7/2022 10:12 PM UTC

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Client:	EOG Resources Inc.	Inspection Date:	7/20/2022			
Site Location Name:	Julie #2 Battery	Report Run Date:	7/20/2022 11:09 PM			
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	7/20/2022 8:00 AM					
Departed Site	7/20/2022 3:45 PM					
Field Notes						
8:22 Water truck spra	8:22 Water truck spraying road and loading area					

8:24 Safety meeting complete, running line finder in sampling areas

8:33 Loader arrived on site with more skids

8:57 Standard coming up with a plan for how to support the produced water line

**10:20** "Clean" sample at WES22-37 came back hot on titration. Will continue excavating

**15:33** Sent out 5 truck loads

#### **Next Steps & Recommendations**

1 Sample north and east walls of 20' excavation

2 Continue hauling out dirt







#### **Site Photos**







**Daily Site Visit Signature** 

Inspector: Sally Carttar

Signature:

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### **ATTACHMENT 5**

From:	Chase Settle <chase_settle@eogresources.com></chase_settle@eogresources.com>
Sent:	Thursday, June 16, 2022 11:50 AM
То:	Monica Peppin
Cc:	Michael Moffitt
Subject:	FW: Julie 2 Battery (2RP-4425 & 2RP-4531) Sampling Notification

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

Sent: Thursday, June 16, 2022 9:45 AM

To: Alan & Cheryl <ahowell@pvtn.net>; Austin Weyant <austin@atkinseng.com>; 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: Andrea Felix <Andrea\_Felix@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Michael
 Yemm <Michael\_Yemm@eogresources.com>; BODEE EUDY <BODEE\_EUDY@eogresources.com>
 Subject: Julie 2 Battery (2RP-4425 & 2RP-4531) Sampling Notification

Good Morning,

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

Julie 2 Battery N-8-19S-25E; Eddy County, NM 2RP-4425 & 2RP-4531

Sampling will begin at 10:00 a.m. on Monday, June 20, 2022 through Friday, June 24, 2022.

Thank you,

Tina Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: <u>tina huerta@eogresources.com</u>



From:	Chase Settle <chase_settle@eogresources.com></chase_settle@eogresources.com>
Sent:	Monday, June 27, 2022 7:52 AM
То:	Monica Peppin
Subject:	FW: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification

From: Tina Huerta <Tina\_Huerta@eogresources.com>
Sent: Thursday, June 23, 2022 7:23 AM
To: Alan & Cheryl <ahowell@pvtn.net>; Austin Weyant <austin@atkinseng.com>; 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: Andrea Felix <Andrea\_Felix@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Michael
Yemm <Michael\_Yemm@eogresources.com>; BODEE EUDY <BODEE\_EUDY@eogresources.com>
Subject: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification

Good Morning,

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

Julie 2 Battery N-8-19S-25E Eddy County, NM 2RP-4425 and 2RP-4531

Sampling will begin at 8:00 a.m. on Monday, June 27, 2022 and continue through Friday, July 1, 2022.

Thank you,

Tina Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: <u>tina huerta@eogresources.com</u>



From:	Chase Settle < Chase_Settle@eogresources.com>
Sent:	Thursday, July 14, 2022 11:19 AM
То:	Monica Peppin
Cc:	Michael Moffitt
Subject:	FW: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification

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

Sent: Wednesday, July 13, 2022 4:39 PM

To: Alan & Cheryl <ahowell@pvtn.net>; Austin Weyant <austin@atkinseng.com>; 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: Andrea Felix <Andrea\_Felix@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Michael
 Yemm <Michael\_Yemm@eogresources.com>; BODEE EUDY <BODEE\_EUDY@eogresources.com>
 Subject: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification

Good Afternoon,

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

Julie 2 Battery N-8-19S-25E Eddy County, NM 2RP-4425 and 2RP-4531

Sampling will begin at 8:00 a.m. on Monday, July 18, 2022 and continue through Friday, July 22, 2022.

Thank you,

Tina Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: tina huerta@eogresources.com



Page	<i>28</i>	of	124

From:	Chase Settle
То:	Michael Moffitt; Monica Peppin
Subject:	FW: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification
Date:	August 22, 2022 12:51:55 PM
Attachments:	

From: Tina Huerta <Tina\_Huerta@eogresources.com>
Sent: Monday, August 22, 2022 12:50 PM
To: Alan & Cheryl <ahowell@pvtn.net>; Austin Weyant <austin@atkinseng.com>; 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: Andrea Felix <Andrea\_Felix@eogresources.com>; Katie Jamison
<Katie\_Jamison@eogresources.com>; Michael Yemm <Michael\_Yemm@eogresources.com>; BODEE
EUDY <BODEE\_EUDY@eogresources.com>
Subject: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification

Good Afternoon,

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

Julie 2 Battery N-8-19S-25E Eddy County, NM 2RP-4425 and 2RP-4531

Sampling will begin at 1:00 p.m. on Wednesday, August 24, 2022, and possibly be continuous through Friday, August 26, 2022.

Thank you,

Tina Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: tina huerta@eogresources.com



**Artesia Division** 

From:	Chase Settle <chase_settle@eogresources.com></chase_settle@eogresources.com>
Sent:	August 17, 2022 1:53 PM
То:	Michael Moffitt; Monica Peppin
Subject:	FW: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification

From: Tina Huerta <Tina\_Huerta@eogresources.com>
Sent: Monday, August 15, 2022 4:37 PM
To: Alan & Cheryl <ahowell@pvtn.net>; Austin Weyant <austin@atkinseng.com>; 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: Andrea Felix <Andrea\_Felix@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Michael
Yemm <Michael\_Yemm@eogresources.com>; BODEE EUDY <BODEE\_EUDY@eogresources.com>
Subject: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification

Good Afternoon,

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

Julie 2 Battery N-8-19S-25E Eddy County, NM 2RP-4425 and 2RP-4531

Sampling will begin at 8:00 a.m. on Thursday, August 18, 2022, and possibly be continuous through Friday, August 19, 2022.

Thank you,

Tina Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: <u>tina huerta@eogresources.com</u>



From:	Chase Settle <chase_settle@eogresources.com></chase_settle@eogresources.com>
Sent:	August 22, 2022 12:52 PM
То:	Michael Moffitt; Monica Peppin
Subject:	FW: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification

From: Tina Huerta <Tina\_Huerta@eogresources.com>
Sent: Monday, August 22, 2022 12:50 PM
To: Alan & Cheryl <ahowell@pvtn.net>; Austin Weyant <austin@atkinseng.com>; 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: Andrea Felix <Andrea\_Felix@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Michael
Yemm <Michael\_Yemm@eogresources.com>; BODEE EUDY <BODEE\_EUDY@eogresources.com>
Subject: Julie 2 Battery (2RP-4425 and 2RP-4531) Sampling Notification

Good Afternoon,

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

Julie 2 Battery N-8-19S-25E Eddy County, NM 2RP-4425 and 2RP-4531

Sampling will begin at 1:00 p.m. on Wednesday, August 24, 2022, and possibly be continuous through Friday, August 26, 2022.

Thank you,

Tina Huerta Regulatory Specialist Direct: 575.748.4168 Cell: 575.703.3121 Email: tina huerta@eogresources.com



### **ATTACHMENT 6**



July 13, 2022

Monica Peppin EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Julie 2

OrderNo.: 2206E65

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 6 sample(s) on 6/28/2022 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,

ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Hall Environmental Ar	alvsis Laboratory, In	IC.
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Lab Order 2206E65

Date Reported: 7/13/2022

CLIENT: EOG Project: Julie 2	Client Sample ID: WES22-05 2'					
Project:         Julie 2           Lab ID:         2206E65-001	Collection Date:         6/27/2022         10:00:00 AM           Matrix:         SOIL         Received Date:         6/28/2022         8:00:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	360	60	mg/Kg	20	7/5/2022 6:24:54 PM	68541
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/6/2022 5:41:03 PM	68511
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/6/2022 5:41:03 PM	68511
Surr: DNOP	89.6	51.1-141	%Rec	1	7/6/2022 5:41:03 PM	68511
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/1/2022 2:54:54 AM	68435
Surr: BFB	98.1	37.7-212	%Rec	1	7/1/2022 2:54:54 AM	68435
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.025	mg/Kg	1	7/1/2022 2:54:54 AM	68435
Toluene	ND	0.050	mg/Kg	1	7/1/2022 2:54:54 AM	68435
Ethylbenzene	ND	0.050	mg/Kg	1	7/1/2022 2:54:54 AM	68435
Xylenes, Total	ND	0.099	mg/Kg	1	7/1/2022 2:54:54 AM	68435
Surr: 4-Bromofluorobenzene	91.9	70-130	%Rec	1	7/1/2022 2:54:54 AM	68435

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

**Qualifiers:** 

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

Page 1 of 10

Lab Order 2206E65

Date Reported: 7/13/2022

CLIENT: EOG Project: Julie 2	Client Sample ID: WES22-05 4' Collection Date: 6/27/2022 10:05:00 AM					
Lab ID: 2206E65-002	Matrix: SOIL         Received Date: 6/28/2022 8:00:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	430	60	mg/Kg	20	7/5/2022 7:02:07 PM	68541
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/6/2022 6:44:23 PM	68511
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/6/2022 6:44:23 PM	68511
Surr: DNOP	96.2	51.1-141	%Rec	1	7/6/2022 6:44:23 PM	68511
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/1/2022 3:18:19 AM	68435
Surr: BFB	104	37.7-212	%Rec	1	7/1/2022 3:18:19 AM	68435
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	7/1/2022 3:18:19 AM	68435
Toluene	ND	0.048	mg/Kg	1	7/1/2022 3:18:19 AM	68435
Ethylbenzene	ND	0.048	mg/Kg	1	7/1/2022 3:18:19 AM	68435
Xylenes, Total	ND	0.096	mg/Kg	1	7/1/2022 3:18:19 AM	68435
Surr: 4-Bromofluorobenzene	93.3	70-130	%Rec	1	7/1/2022 3:18:19 AM	68435

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

Qualifiers:

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

Page 2 of 10

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206E65

Date Reported: 7/13/2022

CLIENT: EOG Project: Julie 2	Client Sample ID: WES22-19 2' Collection Date: 6/27/2022 10:10:00 AM					
Lab ID: 2206E65-003	Matrix: SOIL         Received Date: 6/28/2022 8:00:00 AM					
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	290	60	mg/Kg	20	7/5/2022 7:14:31 PM	68541
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Analyst						t: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/6/2022 7:08:21 PM	68511
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/6/2022 7:08:21 PM	68511
Surr: DNOP	87.9	51.1-141	%Rec	1	7/6/2022 7:08:21 PM	68511
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/1/2022 3:41:50 AM	68435
Surr: BFB	104	37.7-212	%Rec	1	7/1/2022 3:41:50 AM	68435
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.023	mg/Kg	1	7/1/2022 3:41:50 AM	68435
Toluene	ND	0.047	mg/Kg	1	7/1/2022 3:41:50 AM	68435
Ethylbenzene	ND	0.047	mg/Kg	1	7/1/2022 3:41:50 AM	68435
Xylenes, Total	ND	0.094	mg/Kg	1	7/1/2022 3:41:50 AM	68435
Surr: 4-Bromofluorobenzene	93.1	70-130	%Rec	1	7/1/2022 3:41:50 AM	68435

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

**Qualifiers:** 

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

Page 3 of 10

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### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206E65

Date Reported: 7/13/2022

CLIENT: EOG	Client Sample ID: WES22-19 4'							
<b>Project:</b> Julie 2	Collection Date: 6/27/2022 10:15:00 AM							
Lab ID: 2206E65-004	Matrix: SOIL Received Date: 6/28/2022 8							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch		
EPA METHOD 300.0: ANIONS					Analys	t: NAI		
Chloride	360	60	mg/Kg	20	7/5/2022 7:51:45 PM	68541		
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analys	t: ED		
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/6/2022 7:32:17 PM	68511		
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/6/2022 7:32:17 PM	68511		
Surr: DNOP	88.2	51.1-141	%Rec	1	7/6/2022 7:32:17 PM	68511		
EPA METHOD 8015D: GASOLINE RANG	E				Analys	t: NSB		
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/1/2022 4:05:27 AM	68435		
Surr: BFB	104	37.7-212	%Rec	1	7/1/2022 4:05:27 AM	68435		
EPA METHOD 8021B: VOLATILES					Analys	t: NSB		
Benzene	ND	0.024	mg/Kg	1	7/1/2022 4:05:27 AM	68435		
Toluene	ND	0.048	mg/Kg	1	7/1/2022 4:05:27 AM	68435		
Ethylbenzene	ND	0.048	mg/Kg	1	7/1/2022 4:05:27 AM	68435		
Xylenes, Total	ND	0.096	mg/Kg	1	7/1/2022 4:05:27 AM	68435		
Surr: 4-Bromofluorobenzene	92.0	70-130	%Rec	1	7/1/2022 4:05:27 AM	68435		

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

**Qualifiers:** 

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

Page 4 of 10
**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206E65

Date Reported: 7/13/2022

CLIENT: EOG		Cl	ient Sample II	D: W	'ES22-25 2'					
<b>Project:</b> Julie 2		(	Collection Dat	<b>e:</b> 6/2	27/2022 10:20:00 AM					
Lab ID: 2206E65-005	Matrix: SOIL		<b>Received Dat</b>	te: 6/28/2022 8:00:00 AM						
Analyses	Result	RL	Qual Units	DF	Batch					
EPA METHOD 300.0: ANIONS					Analys	it: NAI				
Chloride	150	60	mg/Kg	20	7/5/2022 8:04:09 PM	68541				
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: ED				
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/6/2022 7:56:18 PM	68511				
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	7/6/2022 7:56:18 PM	68511				
Surr: DNOP	87.0	51.1-141	%Rec	1	7/6/2022 7:56:18 PM	68511				
EPA METHOD 8015D: GASOLINE RANG	GE				Analys	t: NSB				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/1/2022 4:28:51 AM	68435				
Surr: BFB	103	37.7-212	%Rec	1	7/1/2022 4:28:51 AM	68435				
EPA METHOD 8021B: VOLATILES					Analys	t: NSB				
Benzene	ND	0.024	mg/Kg	1	7/1/2022 4:28:51 AM	68435				
Toluene	ND	0.047	mg/Kg	1	7/1/2022 4:28:51 AM	68435				
Ethylbenzene	ND	0.047	mg/Kg	1	7/1/2022 4:28:51 AM	68435				
Xylenes, Total	ND	0.094	mg/Kg	1	7/1/2022 4:28:51 AM	68435				
Surr: 4-Bromofluorobenzene	92.2	70-130	%Rec	1	7/1/2022 4:28:51 AM	68435				

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

**Qualifiers:** 

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

Page 5 of 10

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2206E65

Date Reported: 7/13/2022

CLIENT: EOG		Cl	ient Sample II	D: W	ES22-25 4'	
<b>Project:</b> Julie 2		(	Collection Dat	<b>e:</b> 6/2	27/2022 10:25:00 AM	
Lab ID: 2206E65-006	Matrix: SOIL		<b>Received Dat</b>	<b>e:</b> 6/2		
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: <b>JMT</b>
Chloride	210	59	mg/Kg	20	7/5/2022 5:54:56 PM	68553
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analys	t: <b>ED</b>
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/6/2022 9:08:04 PM	68543
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/6/2022 9:08:04 PM	68543
Surr: DNOP	55.8	51.1-141	%Rec	1	7/6/2022 9:08:04 PM	68543
EPA METHOD 8015D: GASOLINE RAN	GE				Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/1/2022 11:08:23 AM	68445
Surr: BFB	94.0	37.7-212	%Rec	1	7/1/2022 11:08:23 AM	68445
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	7/1/2022 11:08:23 AM	68445
Toluene	ND	0.047	mg/Kg	1	7/1/2022 11:08:23 AM	68445
Ethylbenzene	ND	0.047	mg/Kg	1	7/1/2022 11:08:23 AM	68445
Xylenes, Total	ND	0.094	mg/Kg	1	7/1/2022 11:08:23 AM	68445
Surr: 4-Bromofluorobenzene	89.0	70-130	%Rec	1	7/1/2022 11:08:23 AM	68445

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

**Qualifiers:** 

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

Page 6 of 10

KI KEFUKI	WO#:	2206E65
ental Analysis Laboratory, Inc.		13-Jul-22

Client:	EOG		
Project:	Julie 2		
Sample ID:	MB-68553	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID:	PBS	Batch ID: 68553	RunNo: 89243
Prep Date:	7/5/2022	Analysis Date: 7/5/2022	SeqNo: 3172487 Units: mg/Kg
Analyte Chloride		Result PQL SPK val ND 1.5	ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
		-	
Sample ID:	LCS-68553	SampType: Ics	TestCode: EPA Method 300.0: Anions
Client ID:	LCSS	Batch ID: 68553	RunNo: 89243
Prep Date:	7/5/2022	Analysis Date: 7/5/2022	SeqNo: 3172488 Units: mg/Kg
Analyte		Result PQL SPK val	ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride		14 1.5 15.	00 0 93.1 90 110
Sample ID:	MB-68541	SampType: mblk	TestCode: EPA Method 300.0: Anions
Sample ID: Client ID:	MB-68541 PBS	SampType: mblk Batch ID: 68541	TestCode: EPA Method 300.0: Anions RunNo: 89250
•		1 21	
Client ID:	PBS	Batch ID: 68541 Analysis Date: 7/5/2022	RunNo: <b>89250</b>
Client ID: Prep Date:	PBS	Batch ID: 68541 Analysis Date: 7/5/2022	RunNo: <b>89250</b> SeqNo: <b>3173124</b> Units: <b>mg/Kg</b>
Client ID: Prep Date: Analyte Chloride	PBS	Batch ID: <b>68541</b> Analysis Date: <b>7/5/2022</b> Result PQL SPK val	RunNo: <b>89250</b> SeqNo: <b>3173124</b> Units: <b>mg/Kg</b>
Client ID: Prep Date: Analyte Chloride	PBS 7/5/2022	Batch ID: 68541 Analysis Date: 7/5/2022 Result PQL SPK val ND 1.5	RunNo: <b>89250</b> SeqNo: <b>3173124</b> Units: <b>mg/Kg</b> ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Client ID: Prep Date: Analyte Chloride Sample ID:	PBS 7/5/2022 LCS-68541	Batch ID: 68541 Analysis Date: 7/5/2022 Result PQL SPK val ND 1.5 SampType: Ics	RunNo: 89250 SeqNo: 3173124 Units: mg/Kg ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual TestCode: EPA Method 300.0: Anions
Client ID: Prep Date: Analyte Chloride Sample ID: Client ID:	PBS 7/5/2022 LCS-68541 LCSS	Batch ID: 68541 Analysis Date: 7/5/2022 Result PQL SPK val ND 1.5 SampType: Ics Batch ID: 68541	RunNo: 89250 SeqNo: 3173124 Units: mg/Kg ue SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual TestCode: EPA Method 300.0: Anions RunNo: 89250 SeqNo: 3173125 Units: mg/Kg

Qualifiers:

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

Page 7 of 10

**Client:** 

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc

LFURI	WO#:	2206E65
nalysis Laboratory, Inc.		13-Jul-22

Project: Julie 2															
Sample ID: LCS-68511	SampType: LC	s	TestCode: EPA Method 8015M/D: Diesel Range Organics												
Client ID: LCSS	Batch ID: 68	511	F	RunNo: <b>8</b> 9											
Prep Date: 7/1/2022	Analysis Date: 7/	5/2022	S	SeqNo: 31	72709	Units: mg/Kg	3								
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Diesel Range Organics (DRO)	43 15	50.00	0	85.6	64.4	127									
Surr: DNOP	4.6	5.000		92.4	51.1	141									
Sample ID: MB-68511	SampType: MI	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics												
Client ID: PBS	Batch ID: 68	511	RunNo: 89240												
Prep Date: 7/1/2022	Analysis Date: 7/	5/2022	S	SeqNo: 31	172711	Units: mg/Kg	9								
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Diesel Range Organics (DRO)	ND 15														
Notor Oil Range Organics (MRO)	ND 50														
Surr: DNOP	8.7	10.00		87.3	51.1	141									
Sample ID: LCS-68543	SampType: LC	s	Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics							
Client ID: LCSS	Batch ID: 68	543	RunNo: 89259												
Prep Date: 7/5/2022	Analysis Date: 7/	6/2022	S	SeqNo: 31	73754	Units: mg/Kg	9								
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Diesel Range Organics (DRO)	42 15	50.00	0	83.3	64.4	127									
Surr: DNOP	4.3	5.000		85.8	51.1	141									
Sample ID: MB-68543	SampType: MI	BLK	Tes	tCode: EF	PA Method	8015M/D: Dies	el Range	Organics							
Client ID: PBS	Batch ID: 68	543	F	RunNo: <b>8</b> 9	9259										
Prep Date: 7/5/2022	Analysis Date: 7/	6/2022	5	SeqNo: 31	73755	Units: mg/Kg	9								
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual						
Diesel Range Organics (DRO)	ND 15														
Notor Oil Range Organics (MRO)	ND 50														

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

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

RL Reporting Limit

Page 8 of 10

**Client:** 

Surr: BFB

Gasoline Range Organics (GRO)

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

28

2100

5.0

25.00

1000

Project:	Julie 2										
Sample ID:	lcs-68435	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	•	
Client ID:	LCSS	Batcl	n ID: 68	435	F	RunNo: <b>8</b> 9	9164				
Prep Date:	6/29/2022	Analysis E	Date: 6/	30/2022	S	SeqNo: 31	169081	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	23	5.0	25.00	0	90.3	72.3	137			
Surr: BFB		1900		1000		191	37.7	212			
Sample ID:	mb-68435	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	PBS	Batcl	n ID: 68	435	F	RunNo: <b>8</b> 9	9164				
Prep Date:	6/29/2022	Analysis E	Date: 6/	30/2022	5	SeqNo: 31	169083	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		910		1000		90.7	37.7	212			
Sample ID:	mb-68445	SampT	ype: ME	BLK	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range	•	
Client ID:	PBS	Batcl	n ID: 68	445	F	RunNo: <b>8</b> 9	9209				
Prep Date:	6/29/2022	Analysis E	Date: 7/	1/2022	S	SeqNo: 31	171002	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Rang	ge Organics (GRO)	ND	5.0								
Surr: BFB		970		1000		96.9	37.7	212			
Sample ID:	lcs-68445	SampT	ype: LC	S	Tes	tCode: EF	PA Method	8015D: Gasol	ine Range		
Client ID:	LCSS	Batcl	n ID: 68	445	F	RunNo: <b>8</b> 9	9209				
Prep Date:	6/29/2022	Analysis E	Date: 7/	1/2022	S	SeqNo: 31	171003	Units: <b>mg/K</b>	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

0

113

213

72.3

37.7

137

212

#### **Qualifiers:**

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

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S

#### WO#: 2206E65

Julie 2

**Client:** 

**Project:** 

Client ID:

Prep Date:

Analvte

Benzene

Toluene

Ethylbenzene

Xylenes, Total

Sample ID: Ics-68435

LCSS

Surr: 4-Bromofluorobenzene

6/29/2022

## **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc

Result

0.88

0.90

0.90

2.7

0.83

SampType: LCS

Batch ID: 68435

Analysis Date: 6/30/2022

PQL

0.025

0.050

0.050

0.10

aboratory, mc.										
S	Tes	tCode: EF	PA Method	8021B: Volati	les					
135	F	RunNo: <b>8</b> 9								
30/2022	S	SeqNo: 3	169125	Units: mg/K						
SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
1.000	0	87.6	80	120						
1.000	0	89.8	80	120						
1.000	0	89.6	80	120						
3.000	0	88.4	80	120						
1.000		83.0	70	130						

Sample ID: mb-68435	SampT	ype: MB	LK	Tes						
Client ID: PBS	Batch	n ID: 684	35	F	RunNo: <b>8</b> 9	9164				
Prep Date: 6/29/2022	Analysis D	ate: 6/3	0/2022	Ś	SeqNo: 3	169126	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		84.9	70	130			
Sample ID: mb-68445	SampT	ype: MB	LK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	Batch ID: 68445			RunNo: <b>8</b> 9	9209				
Prep Date: 6/29/2022	Analysis D	ate: 7/1	/2022	S	SeqNo: 3	171086	Units: <b>mg/K</b>	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		90.9	70	130				
Sample ID: LCS-68445	nple ID: LCS-68445 SampType: LCS TestCode: EPA Method 8021B: Volatiles										
Client ID: LCSS	Batc	h ID: 684	145	F							
Prep Date: 6/29/2022	Analysis [	Date: 7/	1/2022	S	SeqNo: 31	171087	Units: mg/K	g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.88	0.025	1.000	0	87.6	80	120				
Toluene	0.91	0.050	1.000	0	91.3	80	120				
Ethylbenzene	0.93	0.050	1.000	0	92.7	80	120				
Xylenes, Total	2.8	0.10	3.000	0	93.2	80	120				
•	2.8 0.90	0.10	3.000 1.000	0	93.2 89.6	80 70	120 130				

#### 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 ND
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- в Analyte detected in the associated Method Blank
- Е Estimated value
- J Analyte detected below quantitation limits

Sample pH Not In Range Р

RL Reporting Limit Page 10 of 10

WO#: 2206E65 . . .

ENVIRONMENTAL ANALYSIS LABORATORY		4901 Hawki uerque, NM 4X: 505-345	ns NE 87109 <b>Sa</b> l -4107	mple Log-In Check Li	Page 43 ist
Client Name: EOG	Work Order Number: 2	206E65		RcptNo: 1	
Received By: Desiree Dominguez 6	/28/2022 8:00:00 AM		TP2		
Completed By: Desiree Dominguez 6	/28/2022 8:30:01 AM		TP		
Reviewed By: KH4 6-28-2	)2		2-8		
Chain of Custody					
1. Is Chain of Custody complete?	Y	'es 🗹	No 🗌	Not Present	
2. How was the sample delivered?	<u>C</u>	ourier			
Log In 3. Was an attempt made to cool the samples?	Y	es 🔽	No 🗌		
4. Were all samples received at a temperature of	>0° C to 6.0°C Y	es 🗹	No 🗌		
5. Sample(s) in proper container(s)?	Y	es 🗹	No 🗌		
6. Sufficient sample volume for indicated test(s)?	Ye	es 🗸	No 🗌		
7. Are samples (except VOA and ONG) properly pr	eserved? Ye	es 🔽	No 🗌		
8. Was preservative added to bottles?	Ye	es 🗌	No 🔽		
9. Received at least 1 vial with headspace <1/4" for	AQ VOA? Ye	es 🗌	No 🗌	NA 🔽	
10. Were any sample containers received broken?	Ye	es 🗌	No 🗹	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Ye	es 🔽	No 🗌	bottles checked for pH:	
12. Are matrices correctly identified on Chain of Cus	todv? Ye	s 🗸	No 🗌	(<2 or >12 unless m Adjusted?	oted)
13. Is it clear what analyses were requested?		s 🗸	No 🗌		-
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Ye	s 🗸	No 🗌	Checked by: JA 6/28	-122
<u>Special Handling (if applicable)</u>			4		
15. Was client notified of all discrepancies with this	order? Ye	es 🗌	No 🗌	NA 🗹	
Person Notified:	Date:		-		
By Whom:	P	Mail 🗌 P	hone 🗌 Fax	In Person	
Regarding:			, ux		
Client Instructions:					
16. Additional remarks:					
17. <u>Cooler Information</u> Cooler No Temp °C Condition Seal Ir	ntact Seal No Seal	Date	Signed By		
1 5.5 Good		Date	oigned by		

Receive -			D: 9/8	8/20	22 8	:45:	:58 AM		_		×							-	$\square$			-	$\square$	P	age 44	4 of 12
			www.nailenvironmental.com 4901 Hawkins NE - Albuoueroue NM 87109		ter. 000-040-097.0 Trax 000-040-410/ Analysis Request	((	PO4, SC SIMS PCB's	282 32270 1) 23,	(A/ (A/ (A/ (A/ (A/		etho 8 41 8 83 8 Me 7 83 8 Me 7 0 8 Me 7 0 8 Me 7 0 8 0 8 0 9 0 9 0 1 9 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1													Remarks: CC: Chance Dixon	Direct Bill EOG	H G Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q Q
				T -		(	r208) s	BM.	L /	BE		€хэта		1				-						Rem		ie nossib
- Dag					110-		ň,d 4;		□ No		0-0.1=5,5 (°C)	HEAL NO.	100-	2.00-	- 003	hao -	,005	-006						Pate Time	Date .	. 6/28/22 8:00 s. This serves as notice of thi
	d 🙀 Rush_		1,0 #2	7	225-00716-	ager:	Mornica Pleppin	2	K Yes	25,551	O(including CF): 5.(p	Preservative Type	TUC	ļ				-		14				Via: ,	Via:	Courier ccredited laboratories.
Turn-Around Time: ${\cal S}$	<b>B</b> Standard	Project Name:	JUN	Project #:	221	Project Manager:	N/	Sampler: $C_{\lambda}$	On Ice:	# of Coolers:	Cooler Temp(including CF):	Container Type and #	20 12	ŀ			42	1						Received by:	Received by:	contracted to other a
Chain-of-Custody Record	CHERL. EOG /VLrtax		Mailing Address: のファデが		Phone #:	email or Fax#: /	QA/QC Package:	:uo	NELAC      Other	EDD (Type)		Date Time Matrix Sample Name	02710:00 SON WEST-05 2	10:05 45:20 20 11	10:10 21522-19 2	10:15 222-19 41	10:20 NESZ2-ES 2	10:05 NES2-25 4						Date: I Ime: Relinquished by:	Time: Relinquished by:	If not 199 (U.U.U.U.U.U.



July 27, 2022

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

OrderNo.: 2207B16

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Julie 2 Battery

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 3 sample(s) on 7/22/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Analytical Report
Lab Order 2207B16

Date Reported: 7/27/2022

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-39 0-2' **Project:** Julie 2 Battery Collection Date: 7/20/2022 1:30:00 PM Lab ID: 2207B16-001 Matrix: SOIL Received Date: 7/22/2022 7:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 15 mg/Kg 1 7/25/2022 3:50:50 PM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 7/25/2022 3:50:50 PM Surr: DNOP 77.2 21-129 %Rec 1 7/25/2022 3:50:50 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/25/2022 2:31:39 PM 4.9 mg/Kg 1 Surr: BFB 108 37.7-212 %Rec 1 7/25/2022 2:31:39 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 7/25/2022 2:31:39 PM 1 Toluene ND 0.049 mg/Kg 1 7/25/2022 2:31:39 PM Ethylbenzene ND 0.049 mg/Kg 1 7/25/2022 2:31:39 PM Xylenes, Total ND 0.098 mg/Kg 1 7/25/2022 2:31:39 PM Surr: 4-Bromofluorobenzene 100 70-130 %Rec 1 7/25/2022 2:31:39 PM **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 60 7/22/2022 7:17:19 PM 100 ma/Ka 20

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

**Qualifiers:** 

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

Page 1 of 7

Analytical Report
Lab Order 2207B16

Date Reported: 7/27/2022

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-39 2-4' **Project:** Julie 2 Battery Collection Date: 7/20/2022 1:40:00 PM Lab ID: 2207B16-002 Matrix: SOIL Received Date: 7/22/2022 7:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 14 mg/Kg 1 7/25/2022 4:04:21 PM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 7/25/2022 4:04:21 PM 21-129 Surr: DNOP 80.9 %Rec 1 7/25/2022 4:04:21 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/25/2022 3:43:06 PM 4.9 mg/Kg 1 Surr: BFB 110 37.7-212 %Rec 1 7/25/2022 3:43:06 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 mg/Kg 7/25/2022 3:43:06 PM 1 Toluene ND 0.049 mg/Kg 1 7/25/2022 3:43:06 PM Ethylbenzene ND 0.049 mg/Kg 1 7/25/2022 3:43:06 PM Xylenes, Total ND 0.099 mg/Kg 1 7/25/2022 3:43:06 PM 7/25/2022 3:43:06 PM Surr: 4-Bromofluorobenzene 102 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride 170 60 7/22/2022 7:54:23 PM ma/Ka 20

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

**Qualifiers:** 

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

Page 2 of 7

Analytical Report
Lab Order 2207B16

Date Reported: 7/27/2022

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-40 0-4' **Project:** Julie 2 Battery Collection Date: 7/20/2022 1:50:00 PM Lab ID: 2207B16-003 Matrix: SOIL Received Date: 7/22/2022 7:00:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 13 mg/Kg 1 7/25/2022 4:18:20 PM Motor Oil Range Organics (MRO) ND 44 mg/Kg 1 7/25/2022 4:18:20 PM Surr: DNOP 65.0 21-129 %Rec 1 7/25/2022 4:18:20 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/25/2022 4:54:38 PM 4.9 mg/Kg 1 Surr: BFB 105 37.7-212 %Rec 1 7/25/2022 4:54:38 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 mg/Kg 7/25/2022 4:54:38 PM 1 Toluene ND 0.049 mg/Kg 1 7/25/2022 4:54:38 PM Ethylbenzene ND 0.049 mg/Kg 1 7/25/2022 4:54:38 PM Xylenes, Total ND 0.097 mg/Kg 1 7/25/2022 4:54:38 PM 7/25/2022 4:54:38 PM Surr: 4-Bromofluorobenzene 98.2 70-130 %Rec 1 **EPA METHOD 300.0: ANIONS** Analyst: CAS Chloride ND 60 7/22/2022 8:06:44 PM ma/Ka 20

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

**Qualifiers:** 

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

Page 3 of 7

Client: Project:		x Resources So 2 Battery	ervices	, Inc.								
Sample ID: MB-69006 SampType: mblk					Tes	TestCode: EPA Method 300.0: Anions						
Client ID: F	PBS	Batch	ID: 69	006	F	RunNo: <b>89</b>	9746					
Prep Date:	7/22/2022	Analysis D	ate: 7/	22/2022	S	SeqNo: 31	95741	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		ND	1.5									
Sample ID: L	-CS-69006	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s			
Client ID: L	CSS	Batch	ID: 69	006	F	RunNo: <b>89</b>	9746					
Prep Date:	7/22/2022	Analysis D	ate: 7/	22/2022	S	SeqNo: 31	95742	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride		14	1.5	15.00	0	96.0	90	110				

#### Qualifiers:

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

2207B16

27-Jul-22

Client: Project:	Vertex Re Julie 2 Ba	esources S attery	ervices,	Inc.								
Sample ID:	MB-68995	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	PBS	Batch	n ID: 68	995	R	unNo: <b>8</b>	9755					
Prep Date:	7/22/2022	Analysis D	ate: 7/	25/2022	S	eqNo: 3	197420	Units: mg/k	ζg			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (	Drganics (DRO)	ND	15									
Motor Oil Rang	e Organics (MRO)	ND	50									
Surr: DNOP		8.2		10.00		81.9	21	129				
Sample ID:	LCS-68995     SampType:     LCS     TestCode:     EPA Method 8015M/D: Diesel Range Organics											
Client ID:	LCSS	Batch	n ID: 68	995	R	unNo: <b>8</b>	9755					
Prep Date:	7/22/2022	Analysis D	ate: 7/	25/2022	S	eqNo: 3	197422	Units: mg/k	٤g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (	Organics (DRO)	43	15	50.00	0	85.5	64.4	127				
Surr: DNOP		3.8		5.000		76.9	21	129				
Sample ID:	2207B16-001AMS	SampT	ype: <b>MS</b>	5	Test	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID:	WES22-39 0-2'	Batch	n ID: 68	995	R	unNo: <b>8</b>	9755					
Prep Date:	7/22/2022	Analysis D	ate: 7/	25/2022	S	eqNo: 3	197450	Units: mg/k	٤g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (	Organics (DRO)	34	14	47.85	0	71.5	36.1	154				
Surr: DNOP		4.0		4.785		82.8	21	129				
Sample ID:	2207B16-001AMS	D SampT	ype: MS	SD	Test	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics		
Client ID:	WES22-39 0-2'	Batch	n ID: 68	995	R	unNo: <b>8</b>	9755					
Prep Date:	7/22/2022	Analysis D	ate: 7/	25/2022	S	eqNo: 3	197452	Units: mg/k	٤g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (	Organics (DRO)	37	14	47.71	0	76.9	36.1	154	6.98	33.9		
Surr: DNOP		3.7		4.771		77.6	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

WO#: 2207B16 27-Jul-22

Client: Project:	Vertex Re Julie 2 Ba	esources Se attery	ervices,	, Inc.								
Sample ID:	mb-68990	SampT	ype: ME	BLK	TestCode: EPA Method 8015D: Gasoline Range							
Client ID:	PBS	Batch	ID: 68	990	F	RunNo: 8	9759					
Prep Date:	7/22/2022	Analysis Da	ate: 7/	25/2022	S	SeqNo: 3	196558	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang Surr: BFB	e Organics (GRO)	ND 1000	5.0	1000		100	37.7	212				
Sample ID:	ID: Ics-68990 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range											
Client ID:	LCSS	Batch	ID: 68	990	F	RunNo: 8	9759					
Prep Date:	7/22/2022	Analysis D	ate: 7/	25/2022	S	SeqNo: 3	196559	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	26	5.0	25.00	0	105	72.3	137				
Surr: BFB		2000		1000		201	37.7	212				
Sample ID:	2207b16-001ams	SampT	ype: <b>MS</b>	6	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е		
Client ID:	WES22-39 0-2'	Batch	ID: 68	990	F	RunNo: 8	9759					
Prep Date:	7/22/2022	Analysis Da	ate: 7/	25/2022	S	SeqNo: 3	196561	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	je Organics (GRO)	26	4.9	24.46	0	106	70	130				
Surr: BFB		2100		978.5		215	37.7	212			S	
Sample ID:	2207b16-001amsc	SampT	ype: <b>MS</b>	SD	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е		
Client ID:	WES22-39 0-2'	Batch	ID: 68	990	F	RunNo: <b>8</b>	9759					
Prep Date:	7/22/2022	Analysis Da	ate: 7/	25/2022	S	SeqNo: 3	196562	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Rang	e Organics (GRO)	24	4.9	24.39	0	99.4	70	130	6.42	20		
Surr: BFB		2000		975.6		202	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

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2207B16

27-Jul-22

Client: Project:	Vertex Re Julie 2 Ba		ervices,	, Inc.							
Sample ID: mb-6		•	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: PBS			h ID: 68			RunNo: 8		002121 1010			
Prep Date: 7/22	0/2022	Analysis E					Units: mg/Kg				
	12022	Analysis L		23/2022	,	SeqNo: 3	190397	onits. <b>mg/r</b>	vy		
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	h	ND	0.10	4 000		07.0	70	100			
Surr: 4-Bromofluoro	benzene	0.97		1.000		97.3	70	130			
Sample ID: LCS-	68990	SampT	Гуре: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: LCSS	6	Batcl	h ID: 68	990	RunNo: <b>89759</b>						
Prep Date: 7/22	2/2022	Analysis E	Date: 7/	25/2022	S	SeqNo: 3	196598	Units: mg/h	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.95	0.025	1.000	0	95.5	80	120			
Toluene		0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene		0.99	0.050	1.000	0	98.6	80	120			
Xylenes, Total		3.0	0.10	3.000	0	98.4	80	120			
Surr: 4-Bromofluoro	benzene	1.0		1.000		101	70	130			
Sample ID: 2207	b16-002ams	SampT	Гуре: МS	6	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: WES	22-39 2-4'	Batcl	h ID: 68	990	F						
Prep Date: 7/22	2/2022	Analysis E	Date: 7/	25/2022	5	SeqNo: 3	196601	Units: mg/k	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.90	0.025	0.9930	0	90.6	68.8	120			
Toluene		0.94	0.050	0.9930	0	94.7	73.6	124			
Ethylbenzene		0.94	0.050	0.9930	0	95.1	72.7	129			
Kylenes, Total		2.8	0.099	2.979	0	94.3	75.7	126			
Surr: 4-Bromofluoro	benzene	1.0		0.9930		101	70	130			
Sample ID: 2207	b16-002amsd	SampT	Гуре: МS	SD	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: WES	22-39 2-4'	Batcl	h ID: 68	990	F	RunNo: 8	9759				
Prep Date: 7/22	2/2022	Analysis E	Date: 7/	25/2022	S	SeqNo: 3	196602	Units: <b>mg/k</b>	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene		0.94	0.025	0.9872	0	95.4	68.8	120	4.50	20	
Toluene		0.98	0.049	0.9872	0	98.8	73.6	124	3.70	20	
Ethylbenzene		0.98	0.049	0.9872	0	99.8	72.7	129	4.25	20	
Xylenes, Total		3.0	0.099	2.962	0	100	75.7	126	5.39	20	
Surr: 4-Bromofluoro	benzene	1.0		0.9872		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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2207B16

27-Jul-22

Received by	OCD: 9/8/2022 8:45:58 AM	ľ

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ANALY	ONMENTAL (SIS Ratory	TEL: 505-345-	ental Analysis Labo 4901 Hawki Albuquerque, NM a 3975 FAX: 505-345 whallenvironmenta	mple Log-In Check List				
Client Name:	Vertex Resources Services, Inc.	Work Order Nun	nber: 2207B16		RcptNo: 1			
Received By:	Juan Rojas	7/22/2022 7:00:00	АМ	( lead				
Completed By:	Cheyenne Cason	7/22/2022 7:35:18	AM	Chul				
Reviewed By: S	a 7/22/22							
Chain of Cus	<u>tody</u>							
1. Is Chain of Cu	ustody complete?		Yes 🗹	No 🗌	Not Present			
2. How was the	sample delivered?		Courier					
Log In								
3. Was an attem	pt made to cool the sample	es?	Yes 🗹	No 🗌				
4. Were all samp	les received at a temperat	ure of >0° C to 6.0°C	Yes 🔽	No 🗌				
5. Sample(s) in p	proper container(s)?		Yes 🔽	No 🗌				
6. Sufficient same	ole volume for indicated te	st(s)?	Yes 🖌	No 🗌				
7. Are samples (e	except VOA and ONG) pro	perly preserved?	Yes 🖌	No 🗌				
8. Was preservat	ive added to bottles?		Yes	No 🖌	NA 🗌			
9. Received at lea	ast 1 vial with headspace <	1/4" for AQ VOA?	Yes	No 🗌	NA 🔽			
10. Were any sam	ple containers received br	oken?	Yes	No 🗹	# of preserved			
	rk match bottle labels? ncies on chain of custody)		Yes 🔽	No 🗌	bottles checked for pH: (<2 or >12 unless noted)			
12. Are matrices co	orrectly identified on Chain	of Custody?	Yes 🖌	No 🗌	Adjusted?			
13. Is it clear what	analyses were requested?		Yes 🖌	No 🗌				
	g times able to be met? stomer for authorization.)		Yes 🗹	No 🗌	Checked by: JA7 22 22			
	ng (if applicable)							
15. Was client not	ified of all discrepancies w	ith this order?	Yes	No 🗌	NA 🗹			
Person N	Notified:	Date	:					
By Whor	n:	Via:	eMail F	hone 🗌 Fax	In Person			
Regardir	ng:							
Client Ins	structions:							
16. Additional rem	narks:							
17. Cooler Inform	nation							
Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Date	Signed By				
1	1.1 Good	Not Present						

Page 1 of 1

Received by	<b>OC</b>	D: 9/8	8/202	2 8:	45::	<del>58 AM -</del>						1	1	<u> </u>	 	 1	<u> </u>		 Pa	ge 54 of	£124
		www.nailenvironmentai.com 4901 Hawkins NE - Albuquerque, NM 87109		Analysis		PO4, SMISC	1,1) 1,1022,1022	∧0∖ 10 <sup>3°</sup> 10 0 10 0	etho 8 83 8 Me <sup>5</sup> (AO) (AO)	8081 Pe EDB (M PAHs b RCRA 8 8260 (V 8270 (S Total Co	1000									airect bill tog	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
		490	Tel.			0 / MB	אם / מ	้มย	)ası	08:H9T	>		_						Remarks:		bility. An
			<del>.</del>	- Alere	()	r (802	I I 8MT	/ 38 T		BTEXY	$\checkmark$	_	_					_	Rem	<del></del>	is possit
Turn-Around Time:	<	Julie #2 Batton	Project #:	22E-00 +16	Project Manager:	Monica Peppin	Sampler: Southy Courthaur	olers:	Cooler Temp(including cF):   -C = /,   -C = /,   (°C)	Container Preservative HEAL No. Type and # Type 7.7016	С	202	[ [ [ Cer3						Received by: Via: Date Time	Via: V Date	the transformed the serves as notice of this
of-Custody Record		ess: DM kill				Level 4 (Full Validation)	□ Az Compliance			Matrix Sample Name	Soil WES22-39 0-2"	40 1 WES22-400 39 2-4'	50   WES22-40 0-41						Relinquished by: Southy Countraut	Relinquished by:	ary, samples submitted to Hall Environmental may be subcontris
Chai Client:	T	Suid Addre	10/1	:# Dhone #:	22 Eemail or Fax#	SCOA/QC Package:	Accreditation:			Date Time	7/20 13:30	1 13:40	13:50						Date: Time: 7/20 5:00	Defter Time: 1	If necess



July 28, 2022

Monica Peppin EOG 105 South Fourth Street Artesia, NM 88210 TEL: FAX: Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: www.hallenvironmental.com

RE: Julie 2 Battery

OrderNo.: 2207B81

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 3 sample(s) on 7/23/2022 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,

Ander

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2207B81

Date Reported: 7/28/2022

CLIENT	EOG		Client Sample ID: WES22-41- 10'									
Project:	Julie 2 Battery		Coll	ection Dat	<b>e:</b> 7/2	21/2022 1:40:00 PM						
Lab ID:	2207B81-001	Matrix: SOIL	Matrix: SOIL         Received Date: 7/23/2022 8:10:00 AM									
Analyses	5	Result	RL Qu	ual Units	DF	Date Analyzed	Batch					
EPA ME	THOD 300.0: ANIONS					Analyst	: NAI					
Chloride		ND	60	mg/Kg	20	7/26/2022 1:53:46 PM	69062					
EPA ME	THOD 8015M/D: DIESEL F	RANGE ORGANICS				Analyst	: DGH					
Diesel R	ange Organics (DRO)	ND	14	mg/Kg	1	7/27/2022 1:07:39 AM	69038					
Motor O	il Range Organics (MRO)	ND	48	mg/Kg	1	7/27/2022 1:07:39 AM	69038					
Surr:	DNOP	90.9	21-129	%Rec	1	7/27/2022 1:07:39 AM	69038					
EPA ME	THOD 8015D: GASOLINE	RANGE				Analyst	: NSB					

EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/25/2022 7:17:18 PM	69014
Surr: BFB	106	37.7-212	%Rec	1	7/25/2022 7:17:18 PM	69014
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	7/25/2022 7:17:18 PM	69014
Toluene	ND	0.049	mg/Kg	1	7/25/2022 7:17:18 PM	69014
Ethylbenzene	ND	0.049	mg/Kg	1	7/25/2022 7:17:18 PM	69014
Xylenes, Total	ND	0.099	mg/Kg	1	7/25/2022 7:17:18 PM	69014
Surr: 4-Bromofluorobenzene	99.0	70-130	%Rec	1	7/25/2022 7:17:18 PM	69014

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

**Qualifiers:** 

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

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Surr: 4-Bromofluorobenzene

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2207B81

Date Reported: 7/28/2022

CLIENT: Project:	EOG Julie 2 Battery		Client Sample ID: WES22-42 - 16'           Collection Date: 7/21/2022 1:30:00 PM           Matrix: SOIL         Received Date: 7/23/2022 8:10:00 AM									
Lab ID:	2207B81-002	Matrix: SOIL										
Analyses	5	Result	RL	Qual Units	DF	Date Analyzed	Batch					
EPA ME	THOD 300.0: ANIONS					Analyst	t: NAI					
Chloride		ND	60	mg/Kg	20	7/26/2022 2:06:10 PM	69062					
EPA ME	THOD 8015M/D: DIESEL F	ANGE ORGANICS				Analyst	t: DGH					
Diesel R	ange Organics (DRO)	ND	15	mg/Kg	1	7/27/2022 2:21:23 AM	69038					
Motor O	il Range Organics (MRO)	ND	49	mg/Kg	1	7/27/2022 2:21:23 AM	69038					
Surr:	DNOP	87.7	21-129	%Rec	1	7/27/2022 2:21:23 AM	69038					
EPA ME	THOD 8015D: GASOLINE	RANGE				Analyst	t: NSB					
Gasoline	e Range Organics (GRO)	ND	4.9	mg/Kg	1	7/25/2022 8:28:34 PM	69014					
Surr:	BFB	105	37.7-212	%Rec	1	7/25/2022 8:28:34 PM	69014					
EPA ME	THOD 8021B: VOLATILES					Analyst	t: NSB					
Benzene	9	ND	0.024	mg/Kg	1	7/25/2022 8:28:34 PM	69014					
Toluene		ND	0.049	mg/Kg	1	7/25/2022 8:28:34 PM	69014					
Ethylber	izene	ND	0.049	mg/Kg	1	7/25/2022 8:28:34 PM	69014					
Xylenes,	, Total	ND	0.097	mg/Kg	1	7/25/2022 8:28:34 PM	69014					

98.7

70-130

%Rec

1

7/25/2022 8:28:34 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
- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- ND PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference S
- Analyte detected in the associated Method Blank в
- Е Estimated value
- J Analyte detected below quantitation limits
- Р Sample pH Not In Range
- RL Reporting Limit

Page 2 of 7

69014

**CLIENT: EOG** 

**Project:** 

Lab ID:

Julie 2 Battery

2207B81-003

**Analytical Report** 

## Hall Environmental Analysis Laboratory, Inc.

Lab Order 2207B81

Date Reported: 7/28/2022

	Client Sample ID: BES22-09 - 20'	
	Collection Date: 7/21/2022 1:50:00 PM	
Matrix: SOIL	<b>Received Date:</b> 7/23/2022 8:10:00 AM	
D 14		т

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: NAI
Chloride	890	60	mg/Kg	20	7/26/2022 2:18:34 PM	69062
EPA METHOD 8015M/D: DIESEL RANGE C	RGANICS				Analys	t: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/27/2022 2:45:51 AM	69038
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/27/2022 2:45:51 AM	69038
Surr: DNOP	92.0	21-129	%Rec	1	7/27/2022 2:45:51 AM	69038
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/25/2022 9:39:35 PM	69014
Surr: BFB	104	37.7-212	%Rec	1	7/25/2022 9:39:35 PM	69014
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.025	mg/Kg	1	7/25/2022 9:39:35 PM	69014
Toluene	ND	0.050	mg/Kg	1	7/25/2022 9:39:35 PM	69014
Ethylbenzene	ND	0.050	mg/Kg	1	7/25/2022 9:39:35 PM	69014
Xylenes, Total	ND	0.10	mg/Kg	1	7/25/2022 9:39:35 PM	69014
Surr: 4-Bromofluorobenzene	98.5	70-130	%Rec	1	7/25/2022 9:39:35 PM	69014

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

\* **Qualifiers:** 

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

Page 3 of 7

**Client:** 

Hall Environmental Analysis Laboratory, Inc.	WO#:	2207B81 28-Jul-22

Project: Julie 2 I	Battery			
Sample ID: MB-69062	SampType: mblk	TestCode: EPA Method		
Client ID: PBS	Batch ID: 69062	RunNo: 89791		
Prep Date: 7/26/2022	Analysis Date: 7/26/2022	SeqNo: 3198665	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	ND 1.5			
Sample ID: LCS-69062	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID: LCSS	Batch ID: 69062	RunNo: 89791		
Prep Date: 7/26/2022	Analysis Date: 7/26/2022	SeqNo: 3198666	Units: mg/Kg	
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride	14 1.5 15.00	0 92.7 90	110	

Qualifiers:

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

Page 4 of 7

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**Client:** 

# **QC SUMMARY REPORT** Hall Environmental Analysis Laboratory, Inc.

WO#:	2207B81
	28-Jul-22

Project: Julie 2 E	Battery									
Sample ID: LCS-69038	SampT	ype: LC	S	Tes	stCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batch	n ID: 690	038	F	RunNo: <b>8</b> 9	9790				
Prep Date: 7/25/2022	Analysis D	)ate: 7/2	26/2022	S	SeqNo: 3	197677	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	85.5	64.4	127			
Biodol i Kaligo organioo (Bi Ko)	-			-						
Surr: DNOP	4.3		5.000		86.7	21	129			
000		уре: МЕ	5.000				129 8015M/D: Die	sel Range	Organics	
Surr: DNOP	SampT		5.000 BLK	Tes		PA Method		sel Range	Organics	
Surr: DNOP	SampT	ype: ME	5.000 BLK 038	Tes	stCode: EF	PA Method 9790		•	Organics	
Surr: DNOP Sample ID: MB-69038 Client ID: PBS	SampT Batch	ype: ME	5.000 BLK 038	Tes F	stCode: EF	PA Method 9790	8015M/D: Die	•	Organics RPDLimit	Qual
Surr: DNOP Sample ID: MB-69038 Client ID: PBS Prep Date: 7/25/2022	SampT Batch Analysis D	ype: ME n ID: 690 Date: 7/2	5.000 BLK 038 26/2022	Tes F	stCode: EF RunNo: 89 SeqNo: 31	PA Method 9790 197678	8015M/D: Die Units: mg/K	g	-	Qual
Surr: DNOP Sample ID: MB-69038 Client ID: PBS Prep Date: 7/25/2022 Analyte	SampT Batch Analysis D Result	ype: <b>ME</b> n ID: <b>690</b> Date: <b>7/2</b> PQL	5.000 BLK 038 26/2022	Tes F	stCode: EF RunNo: 89 SeqNo: 31	PA Method 9790 197678	8015M/D: Die Units: mg/K	g	-	Qual

**Qualifiers:** 

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

Page 5 of 7

	WO#:	2207B81
Environmental Analysis Laboratory, Inc.		28-Jul-22

Client:EOGProject:Julie 2 H	Battery														
Sample ID: mb-69014	SampT	уре: МЕ	BLK	TestCode: EPA Method 8015D: Gasoline Range											
Client ID: PBS	Batch	ID: 690	014	F	RunNo: <b>8</b> 9	9759									
Prep Date: 7/23/2022	Analysis D	ate: 7/	25/2022	S	SeqNo: 31	96547	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	1100		1000		106	37.7	212								
Sample ID: Ics-69014	SampT	ype: LC	S	TestCode: EPA Method 8015D: Gasoline Range											
Client ID: LCSS	Batch	ID: 690	014	F	RunNo: <b>8</b> 9	9759									
Prep Date: 7/23/2022	Analysis D	ate: 7/	25/2022	S	SeqNo: 31	96548	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	107	72.3	137								
Surr: BFB	2100		1000		209	37.7	212								

**Qualifiers:** 

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

Page 6 of 7

	WO#:	2207B81	
oratory, Inc.		28-Jul-22	

Client: EOC Project: Julie	3 2 Battery											
Sample ID: mb-69014	SampType:	MBLK	Tes	tCode: EP								
Client ID: PBS	Batch ID:	69014	F	RunNo: <b>89</b>	759							
Prep Date: 7/23/2022	Analysis Date:	7/25/2022	S	SeqNo: 31	96589	Units: mg/K	g					
Analyte	Result PC	QL SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND 0.0	025										
Toluene	ND 0.0	050										
Ethylbenzene	ND 0.0	050										
Xylenes, Total	ND 0	.10										
Surr: 4-Bromofluorobenzene	1.0	1.000		99.5	70	130						
Sample ID: LCS-69014	SampType:	LCS	Tes	stCode: EPA Method 8021B: Volatiles								
Client ID: LCSS												
Chieffel D. LOOD	Batch ID:	69014	F	RunNo: <b>89</b>	759							
Prep Date: 7/23/2022	Batch ID: Analysis Date:			RunNo: <b>89</b> SeqNo: <b>31</b>		Units: <b>mg/K</b>	g					
	Analysis Date:	7/25/2022				Units: <b>mg/K</b> HighLimit	g %RPD	RPDLimit	Qual			
Prep Date: 7/23/2022 Analyte	Analysis Date: Result PC	7/25/2022	S	SeqNo: 31	96590	•	•	RPDLimit	Qual			
Prep Date: 7/23/2022 Analyte	Analysis Date: Result PC 0.98 0.0	7/25/2022 QL SPK value	SPK Ref Val	SeqNo: <b>31</b> %REC	96590 LowLimit	HighLimit	•	RPDLimit	Qual			
Prep Date: 7/23/2022 Analyte Benzene Toluene	Analysis Date: Result PC 0.98 0.0 1.0 0.0	<b>7/25/2022</b> QL SPK value 025 1.000	SPK Ref Val	SeqNo: <b>31</b> %REC 97.6	<b>96590</b> LowLimit 80	HighLimit 120	•	RPDLimit	Qual			
Prep Date: 7/23/2022 Analyte Benzene	Analysis Date:           Result         PC           0.98         0.0           1.0         0.0           1.0         0.0	7/25/2022           QL         SPK value           025         1.000           050         1.000	SPK Ref Val 0 0	SeqNo: <b>31</b> %REC 97.6 100	96590 LowLimit 80 80	HighLimit 120 120	•	RPDLimit	Qual			

Qualifiers:

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

Page 7 of 7

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HALL ENVIRONMENTAL ANALYSIS LABORATORY	Hall Environmenta All TEL: 505-345-397. Website: www.h	4901 Hawki buquerque, NM 8 5 FAX: 505-345	ns NE 87109 <b>Sar</b> -4107	nple Log-In C	Page 6
Client Name: EOG	Work Order Number	r: 2207B81		RcptNo:	1
Received By: Juan Rojas	7/23/2022 8:10:00 AM	1	(Juan Eng)		
Completed By: Juan Rojas Reviewed By: A 07/23/2022	7/23/2022 9:20:37 AN	1	Warang Warang		
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 samp	les?	Yes 🗸	No 🗌	NA 🗌	
4. Were all samples 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 sample volume for indicated to	est(s)?	Yes 🗸	No 🗌		
7. Are samples (except VOA and ONG) pro	operly 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 🔽	
0. Were any sample containers received b	roken?	Yes	No 🗹	# of preserved bottles checked	
1. Does paperwork match bottle labels? (Note discrepancies on chain of custody	)	Yes 🗹	No 🗌	for pH:	12 unless noted)
2. Are matrices correctly identified on Chai	n of Custody?	Yes 🗸	No 🗌	Adjusted?	
3. Is it clear what analyses were requested	?	Yes 🗹	No 🗌		- lasha
4. Were all holding times able to be met? (If no, notify customer for authorization.)		Yes 🗹	No 🗌	Checked by:	N7113/12
pecial Handling (if applicable)			-		1. A. A.
5. Was client notified of all discrepancies v	vith this order?	Yes	No 🗌	NA 🗹	. *
Person Notified:	Date				
By Whom:	Via:	eMail F	hone 🗌 Fax	In Person	
Regarding: Client Instructions:					
16. Additional remarks:					
7. <u>Cooler Information</u>					
Cooler No Temp °C Condition	Seal Intact Seal No S	eal Date	Signed By		

Page 1 of 1

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3	Chain-or-Custody Record										וו			Matrix	0	0	0	13 Le									Reli	Relir	41	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
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		Client: 60 6		Mailing Address:		Phone #:	email or Fax#:	QA/QC Package:	Standard	Accreditation:				Date	12/L	17/2	1/2/	Q									Date:	Date:	2)el	
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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

August 31, 2022

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

OrderNo.: 2208G88

Dear Michael Moffitt:

RE: Julie 2 Battery

Hall Environmental Analysis Laboratory received 1 sample(s) on 8/27/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab ID:

**Analytical Report** 

### Hall Environmental Analysis Laboratory, Inc.

Lab Order 2208G88

Date Reported: 8/31/2022

<b>CLIENT:</b>	Vertex Resources Services, Inc.
Project:	Julie 2 Battery

2208G88-001

Client Sample ID: BES22-09 20.5 Collection Date: 8/25/2022 9:00:00 AM

Matrix: MEOH (SOIL) Received Date: 8/27/2022 9:35:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	BANICS				Analyst: DGH
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	8/30/2022 1:44:15 AM
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	8/30/2022 1:44:15 AM
Surr: DNOP	88.0	21-129	%Rec	1	8/30/2022 1:44:15 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: BRM
Gasoline Range Organics (GRO)	ND	2.9	mg/Kg	1	8/27/2022 12:40:00 PM
Surr: BFB	111	37.7-212	%Rec	1	8/27/2022 12:40:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: BRM
Benzene	ND	0.015	mg/Kg	1	8/27/2022 12:40:00 PM
Toluene	ND	0.029	mg/Kg	1	8/27/2022 12:40:00 PM
Ethylbenzene	ND	0.029	mg/Kg	1	8/27/2022 12:40:00 PM
Xylenes, Total	ND	0.059	mg/Kg	1	8/27/2022 12:40:00 PM
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	8/27/2022 12:40:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	8/29/2022 3:56:08 PM

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

**Qualifiers:** 

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

н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

RL Reporting Limit Page 1 of 7

Client: Project:		x Resources Se 2 Battery	ervices	, Inc.							
Sample ID:	MB-69832	SampT	ype: <b>m</b> t	olk	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	ID: <b>PBS</b> Batch ID: <b>69832</b>					RunNo: <b>9(</b>	0648				
Prep Date:	8/29/2022	Analysis D	ate: <b>8/</b>	29/2022	S	SeqNo: 32	239411	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-69832	SampT	ype: Ics	5	Tes	tCode: EF	PA Method	300.0: Anion	s		
Client ID:	LCSS	Batch	ID: 69	832	RunNo: 90648						
Prep Date:	8/29/2022	Analysis D	ate: <b>8/</b>	29/2022	S	239412	Units: mg/K	g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	95.0	90	110			

#### Qualifiers:

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- RL Reporting Limit

2208G88

31-Aug-22

Client: Project:	Vertex Re Julie 2 Ba	esources Ser attery	rvices	, Inc.								
Sample ID:	LCS-69815	SampTy	pe: LC	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		
Client ID:	LCSS	Batch	ID: 69	815	F	RunNo: 90634						
Prep Date:	8/29/2022	Analysis Da	ite: 8/	/29/2022	5	SeqNo: 3	238730	Units: %Re	c			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		3.7		5.000		73.9	21	129				
Sample ID:	MB-69815	SampTy	pe: <b>M</b> I	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		
Client ID:	PBS	Batch	ID: 69	815	F	RunNo: <b>9</b>	0634					
Prep Date:	8/29/2022	Analysis Da	ite: <b>8/</b>	/29/2022	S	SeqNo: 3	238731	Units: %Re	c			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: DNOP		8.4		10.00		83.6	21	129				
Sample ID:	LCS-69828	SampTy	pe: <b>LC</b>	s	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		
Client ID:	LCSS	Batch	ID: 69	828	F	RunNo: <b>9</b>	0634					
Prep Date:	8/29/2022	Analysis Da	ite: 8/	/30/2022	S	SeqNo: 3	239246	Units: mg/k	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range (	Organics (DRO)	44	15	50.00	0	87.5	64.4	127				
Surr: DNOP		3.9		5.000		77.2	21	129				
Sample ID:	MB-69828	SampTy	pe: MI	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics		
Client ID:	PBS	Batch	ID: 69	828	F	RunNo: <b>9</b>	0634					
Prep Date:	8/29/2022	Analysis Da	.te: <b>8/</b>	/30/2022	S	SeqNo: 3	239248	Units: mg/k	٢g			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
-	Organics (DRO)	ND	15									
Motor Oil Rang			-									
-	e Organics (MRO)	ND	15 50	10.00		01.0	21	120				
Surr: DNOP	e Organics (MRO)	ND 9.2	50	10.00		91.9	21	129				
Surr: DNOP Sample ID:	2208G88-001AMS	ND 9.2 SampTy	50 pe: <b>M</b> \$	6		tCode: El	PA Method	129 8015M/D: Di	esel Range	e Organics		
Surr: DNOP Sample ID: Client ID:	2208G88-001AMS BES22-09 20.5	ND 9.2 SampTy Batch	50 pe: <b>M</b> ID: <b>69</b>	S 828	F	tCode: El	PA Method 0634	8015M/D: Di	-	e Organics		
Surr: DNOP Sample ID: Client ID:	2208G88-001AMS	ND 9.2 SampTy	50 pe: <b>M</b> ID: <b>69</b>	S 828	F	tCode: El	PA Method 0634		-	e Organics		
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	2208G88-001AMS BES22-09 20.5 8/29/2022	ND 9.2 SampTy Batch Analysis Da Result	50 pe: M\$ ID: 69 ate: 8/ PQL	S 828 /30/2022 SPK value	F S SPK Ref Val	tCode: El RunNo: 9 SeqNo: 3 %REC	PA Method 0634 239369 LowLimit	8015M/D: Di Units: <b>mg/k</b> HighLimit	-	e Organics RPDLimit	Qual	
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range (	2208G88-001AMS BES22-09 20.5	ND 9.2 SampTy Batch Analysis Da Result 31	50 pe: MS ID: 69 ate: 8/	S 828 /30/2022 SPK value 41.91	F	tCode: El RunNo: 9 SeqNo: 3 %REC 74.2	PA Method 0634 239369 LowLimit 36.1	8015M/D: Di Units: mg/F HighLimit 154	ζg	-	Qual	
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range C Surr: DNOP	2208G88-001AMS BES22-09 20.5 8/29/2022 Drganics (DRO)	ND 9.2 SampTy Batch Analysis Da Result 31 3.3	50 pe: MS ID: 69 ate: 8/ PQL 13	S 828 /30/2022 SPK value 41.91 4.191	F S SPK Ref Val 0	tCode: <b>EI</b> RunNo: <b>9</b> SeqNo: <b>3</b> %REC 74.2 79.5	PA Method 0634 239369 LowLimit 36.1 21	8015M/D: Di Units: mg/F HighLimit 154 129	<b>Xg</b> %RPD	RPDLimit	Qual	
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range ( Surr: DNOP Sample ID:	2208G88-001AMS BES22-09 20.5 8/29/2022 Drganics (DRO) 2208G88-001AMS	ND 9.2 SampTy Batch Analysis Da Result 31 3.3 D SampTy	50 pe: MS ID: 69 ite: 8/ PQL 13 pe: MS	S 828 /30/2022 SPK value 41.91 4.191 SD	F SPK Ref Val 0 Tes	tCode: <b>EI</b> RunNo: <b>9</b> SeqNo: <b>3</b> %REC 74.2 79.5 tCode: <b>EI</b>	PA Method 0634 239369 LowLimit 36.1 21 PA Method	8015M/D: Di Units: mg/F HighLimit 154	<b>Xg</b> %RPD	RPDLimit	Qual	
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range ( Surr: DNOP Sample ID:	2208G88-001AMS BES22-09 20.5 8/29/2022 Drganics (DRO) 2208G88-001AMS BES22-09 20.5	ND 9.2 SampTy Batch Analysis Da Result 31 3.3 D SampTy Batch	50 pe: MS ID: 69 Ite: 8/ PQL 13 pe: MS ID: 69	S 828 /30/2022 SPK value 41.91 4.191 SD 828	F S SPK Ref Val 0 Tes F	tCode: <b>EI</b> RunNo: <b>9</b> SeqNo: <b>3</b> %REC 74.2 79.5 tCode: <b>EI</b> RunNo: <b>9</b>	PA Method 0634 239369 LowLimit 36.1 21 PA Method 0634	8015M/D: Di Units: mg/k HighLimit 154 129 8015M/D: Di	Kg %RPD esel Range	RPDLimit	Qual	
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range ( Surr: DNOP Sample ID:	2208G88-001AMS BES22-09 20.5 8/29/2022 Drganics (DRO) 2208G88-001AMS BES22-09 20.5	ND 9.2 SampTy Batch Analysis Da Result 31 3.3 D SampTy	50 pe: MS ID: 69 Ite: 8/ PQL 13 pe: MS ID: 69	S 828 /30/2022 SPK value 41.91 4.191 SD 828	F S SPK Ref Val 0 Tes F	tCode: <b>EI</b> RunNo: <b>9</b> SeqNo: <b>3</b> %REC 74.2 79.5 tCode: <b>EI</b>	PA Method 0634 239369 LowLimit 36.1 21 PA Method 0634	8015M/D: Di Units: mg/F HighLimit 154 129	Kg %RPD esel Range	RPDLimit	Qual	
Surr: DNOP Sample ID: Client ID: Prep Date: Analyte Diesel Range ( Surr: DNOP Sample ID: Client ID: Prep Date: Analyte	2208G88-001AMS BES22-09 20.5 8/29/2022 Drganics (DRO) 2208G88-001AMS BES22-09 20.5	ND 9.2 SampTy Batch Analysis Da Result 31 3.3 D SampTy Batch	50 pe: MS ID: 69 Ite: 8/ PQL 13 pe: MS ID: 69	S 828 /30/2022 SPK value 41.91 4.191 SD 828 /30/2022 SPK value	F S SPK Ref Val 0 Tes F	tCode: <b>EI</b> RunNo: <b>9</b> SeqNo: <b>3</b> %REC 74.2 79.5 tCode: <b>EI</b> RunNo: <b>9</b>	PA Method 0634 239369 LowLimit 36.1 21 PA Method 0634	8015M/D: Di Units: mg/k HighLimit 154 129 8015M/D: Di	Kg %RPD esel Range	RPDLimit	Qual	

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

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E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

2208G88

31-Aug-22

Client: Project:	Vertex Re Julie 2 Ba	esources So attery	ervices	, Inc.							
Sample ID:	2208G88-001AMS	D SampT	уре: М	SD	Tes	tCode: EF	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID:	BES22-09 20.5	Batch	n ID: 69	828	F	RunNo: <b>9</b>	0634				
Prep Date:	8/29/2022	Analysis D	ate: 8	/30/2022	S	SeqNo: 3	239370	Units: <b>mg/#</b>	٢g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP		3.5		4.460		78.0	21	129	0	0	

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31-Aug-22

Client: Vertex I Project: Julie 2 E	Resources Servic Battery	es, Inc.								
Sample ID: 2.5ug gro Ics	SampType:	LCS	Test	tCode: EP	A Method	8015D: Gasol	ine Rang	e		
Client ID: LCSS	Batch ID:	A90618	R	RunNo: 90618						
Prep Date:	Analysis Date:	8/27/2022	S	eqNo: 32	37682	Units: mg/Kg	9			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO) Surr: BFB	28 5 2300	.0 25.00 1000	0	113 232	72.3 37.7	137 212			S	
Sample ID: mb	SampType:	MBLK	Test	tCode: EP	A Method	8015D: Gasol	ine Rang	e		
Client ID: PBS	Batch ID:	A90618	R	lunNo: <b>90</b>	618					
Prep Date:	Analysis Date:	8/27/2022	S	eqNo: 32	37683	Units: mg/Kg	J			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO) Surr: BFB	ND 5 1100	.0 1000		108	37.7	212				
Sample ID: 2208g88-001ams	s SampType:	MS	Test	tCode: EP	A Method	8015D: Gasol	ine Rang	e		
Client ID: BES22-09 20.5	Batch ID:	A90618	R	unNo: <b>90</b>	618					
Prep Date:	Analysis Date:	8/27/2022	S	eqNo: 32	37685	Units: mg/Kg	9			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	-	.9 14.66	0	104	70	130				
Surr: BFB	1300	586.2		222	37.7	212			S	
Sample ID: 2208g88-001ams	sd SampType:	MSD	Test	tCode: EP	A Method	8015D: Gasol	ine Rang	e		
Client ID: BES22-09 20.5	Batch ID:	A90618	R	tunNo: <b>90</b>	618					
Prep Date:	Analysis Date:	8/27/2022	S	eqNo: 32	37686	Units: mg/Kg	9			
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	15 2	.9 14.66	0	101	70	130	3.09	20		
Surr: BFB	1300	586.2		217	37.7	212	0	0	S	
Sample ID: 2.5ug gro lcs 2	SampType:	LCS	Test	tCode: EP	A Method	8015D: Gasol	ine Rang	e		
Client ID: LCSS	Batch ID:	C90618	R	unNo: <b>90</b>	618					
Prep Date:	Analysis Date:	8/27/2022	S	eqNo: 32	37706	Units: %Rec				
Analyte	Result PQ	L SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Surr: BFB	2200	1000		221	37.7	212			S	
Sample ID: mb 2	SampType:	MBLK	Test	tCode: EP	A Method	8015D: Gasol	ine Rang	e		
			Р	unNo: <b>90</b>	618		-			
Client ID: PBS	Batch ID:	C90618	R	unite. <b>50</b>						
•	Batch ID: Analysis Date:			SeqNo: 32	37707	Units: %Rec				
Client ID: PBS		8/27/2022		SeqNo: <b>32</b>	<b>37707</b> LowLimit	Units: <b>%Rec</b> HighLimit	%RPD	RPDLimit	Qual	

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Р

Reporting Limit RL

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2208G88

31-Aug-22

WO#:

Sample pH Not In Range

Project: Julie 2 Ba	esources S attery	Services,	Inc.							
Sample ID: 100ng btex lcs	Samp	Гуре: <b>LC</b>	s	Tes	tCode: <b>FF</b>	PA Method	8021B· Volat	iles		
Client ID: LCSS		h ID: <b>B9</b>			TestCode: EPA Method 8021B: Volatiles RunNo: 90618					
Prep Date:	Analysis [				SeqNo: 32		Units: mg/K	a		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.9	80	120	,		
Toluene	0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			
Sample ID: mb	Samp	Гуре: <b>МЕ</b>	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Batc	h ID: <b>B9</b>	0618	F	RunNo: <b>9(</b>	0618				
Prep Date:	Analysis [	Date: 8/	27/2022	S	SeqNo: 32	237719	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		102	70	130			
Sample ID: 2208g88-001amsc	<b>d</b> Samp <sup>-</sup>	Гуре: <b>МS</b>	SD	TestCode: EPA Method 8021B: Volatiles						
Client ID: BES22-09 20.5	Batc	h ID: <b>B9</b>	0618	RunNo: 90618						
Prep Date:				SeqNo: 3237724 Units: mg/Kg						
	Analysis I	Date: 8/	27/2022	5	SeqNo: 32	237724	Units: mg/K	g		
Analyte	Analysis I Result	Date: <b>8/</b> PQL		SPK Ref Val	SeqNo: <b>32</b> %REC	237724 LowLimit	Units: <b>mg/K</b> HighLimit	<b>g</b> %RPD	RPDLimit	Qual
Analyte Benzene	•						_	-	RPDLimit 20	Qual
Benzene Toluene	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit 68.8 73.6	HighLimit	%RPD		Qual
Benzene Toluene Ethylbenzene	Result 0.58	PQL 0.015 0.029 0.029	SPK value 0.5862 0.5862 0.5862	SPK Ref Val 0	%REC 98.8	LowLimit 68.8 73.6 72.7	HighLimit 120	%RPD 5.53	20	Qual
Benzene Toluene Ethylbenzene Xylenes, Total	Result 0.58 0.60 0.61 1.8	PQL 0.015 0.029	SPK value 0.5862 0.5862 0.5862 1.759	SPK Ref Val 0 0	%REC 98.8 102 104 104	LowLimit 68.8 73.6 72.7 75.7	HighLimit 120 124 129 126	%RPD 5.53 5.60 5.14 5.16	20 20 20 20	Qual
Benzene Toluene Ethylbenzene	Result 0.58 0.60 0.61	PQL 0.015 0.029 0.029	SPK value 0.5862 0.5862 0.5862	SPK Ref Val 0 0 0	%REC 98.8 102 104	LowLimit 68.8 73.6 72.7	HighLimit 120 124 129	%RPD 5.53 5.60 5.14	20 20 20	Qual
Benzene Toluene Ethylbenzene Xylenes, Total	Result 0.58 0.60 0.61 1.8 0.61	PQL 0.015 0.029 0.029	SPK value 0.5862 0.5862 0.5862 1.759 0.5862	SPK Ref Val 0 0 0 0	%REC 98.8 102 104 104 104	LowLimit 68.8 73.6 72.7 75.7 70	HighLimit 120 124 129 126	%RPD 5.53 5.60 5.14 5.16 0	20 20 20 20	Qual
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene	Result 0.58 0.60 0.61 1.8 0.61 Samp	PQL 0.015 0.029 0.029 0.059	SPK value 0.5862 0.5862 0.5862 1.759 0.5862 <b>S</b>	SPK Ref Val 0 0 0 0 Tes	%REC 98.8 102 104 104 104	LowLimit 68.8 73.6 72.7 75.7 70 <b>PA Method</b>	HighLimit 120 124 129 126 130	%RPD 5.53 5.60 5.14 5.16 0	20 20 20 20	Qual
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: <b>100ng btex Ics</b>	Result 0.58 0.60 0.61 1.8 0.61 Samp	PQL 0.015 0.029 0.029 0.059 Type: LC h ID: D9	SPK value 0.5862 0.5862 1.759 0.5862 <b>S</b> 0618	SPK Ref Val 0 0 0 0 Tes F	%REC 98.8 102 104 104 104 104	LowLimit 68.8 73.6 72.7 75.7 70 PA Method D618	HighLimit 120 124 129 126 130	%RPD 5.53 5.60 5.14 5.16 0	20 20 20 20	Qual
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: <b>100ng btex Ics</b> Client ID: <b>LCSS</b>	Result 0.58 0.60 0.61 1.8 0.61 Samp Batc	PQL 0.015 0.029 0.029 0.059 Type: LC h ID: D9	SPK value 0.5862 0.5862 1.759 0.5862 5 0.5862 S 0618 27/2022	SPK Ref Val 0 0 0 0 Tes F	%REC 98.8 102 104 104 104 104 tCode: EF	LowLimit 68.8 73.6 72.7 75.7 70 PA Method D618	HighLimit 120 124 129 126 130 8021B: Volat	%RPD 5.53 5.60 5.14 5.16 0	20 20 20 20	Qual
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: <b>100ng btex Ics</b> Client ID: <b>LCSS</b> Prep Date:	Result           0.58           0.60           0.61           1.8           0.61           Samp           Batc           Analysis I	PQL 0.015 0.029 0.059 Type: LC h ID: D9 Date: 8/	SPK value 0.5862 0.5862 1.759 0.5862 5 0.5862 5 0618 27/2022	SPK Ref Val 0 0 0 0 Tes F	%REC 98.8 102 104 104 104 104 104 tCode: EF RunNo: 90 SeqNo: 32	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 0618 237742	HighLimit 120 124 129 126 130 8021B: Volat Units: %Rec	%RPD 5.53 5.60 5.14 5.16 0 illes	20 20 20 20 0	
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: <b>100ng btex Ics</b> Client ID: <b>LCSS</b> Prep Date: Analyte	Result           0.58           0.60           0.61           1.8           0.61           Samp           Batc           Analysis I           Result           0.99	PQL 0.015 0.029 0.059 Type: LC h ID: D9 Date: 8/	SPK value 0.5862 0.5862 1.759 0.5862 <b>S</b> 0618 27/2022 SPK value 1.000	SPK Ref Val 0 0 0 Tes F SPK Ref Val	%REC 98.8 102 104 104 104 tCode: EF RunNo: 90 SeqNo: 32 %REC 98.8	LowLimit 68.8 73.6 72.7 75.7 70 PA Method D618 237742 LowLimit 70	HighLimit 120 124 129 126 130 8021B: Volat Units: %Rec HighLimit	%RPD 5.53 5.60 5.14 5.16 0 illes %RPD	20 20 20 20 0	
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: <b>100ng btex Ics</b> Client ID: <b>LCSS</b> Prep Date: Analyte Surr: 4-Bromofluorobenzene	Result 0.58 0.60 0.61 1.8 0.61 Samp Batc Analysis I Result 0.99 Samp	PQL 0.015 0.029 0.029 0.059 Type: LC h ID: D9 Date: 8/ PQL	SPK value 0.5862 0.5862 1.759 0.5862 S 0618 27/2022 SPK value 1.000	SPK Ref Val 0 0 0 Tes SPK Ref Val Tes	%REC 98.8 102 104 104 104 tCode: EF RunNo: 90 SeqNo: 32 %REC 98.8	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 0618 237742 LowLimit 70 PA Method	HighLimit 120 124 129 126 130 8021B: Volat Units: %Rec HighLimit 130	%RPD 5.53 5.60 5.14 5.16 0 illes %RPD	20 20 20 20 0	
Benzene Toluene Ethylbenzene Xylenes, Total Surr: 4-Bromofluorobenzene Sample ID: <b>100ng btex Ics</b> Client ID: <b>LCSS</b> Prep Date: Analyte Surr: 4-Bromofluorobenzene Sample ID: <b>mb 2</b>	Result 0.58 0.60 0.61 1.8 0.61 Samp Batc Analysis I Result 0.99 Samp	PQL 0.015 0.029 0.029 0.059 Type: LC h ID: D9 Date: 8/ PQL Type: ME h ID: D9	SPK value 0.5862 0.5862 1.759 0.5862 <b>S</b> 0618 27/2022 SPK value 1.000 3LK 0618	SPK Ref Val 0 0 0 Tes 5 SPK Ref Val Tes F	%REC 98.8 102 104 104 104 tCode: EF RunNo: 90 SeqNo: 32 %REC 98.8	LowLimit 68.8 73.6 72.7 75.7 70 PA Method 0618 237742 LowLimit 70 PA Method 0618	HighLimit 120 124 129 126 130 8021B: Volat Units: %Rec HighLimit 130	%RPD 5.53 5.60 5.14 5.16 0 illes %RPD	20 20 20 20 0	

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- Value exceeds Maximum Contaminant Level. \*
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- S
  - % Recovery outside of range due to dilution or matrix interference
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- Е Estimated value
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Р Sample pH Not In Range

RL Reporting Limit Page 6 of 7

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31-Aug-22

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	Vertex Resources Se Julie 2 Battery	rvices	, Inc.							
Sample ID: mb 2	SampTy	pe: ME	BLK	Tes	tCode: EF	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	ID: <b>D9</b>	0618	R	lunNo: 9	0618				
Prep Date:	Analysis Da	ate: <b>8/</b>	27/2022	S	eqNo: 3	237743	Units: %Red	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluoroben	zene 0.97		1.000		96.8	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

WO#: 2208G88 31-Aug-22
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Page	13	0	124

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	HALL ENVIRO ANALYS LABORA			TEL	, 505-345-39	4901 Albuquerqu 075 FAX: 5	s Laboratory Hawkins NE e, NM 87109 05-345-4107 nmental.com	San	nple Log-In C	Page Check List
Client N		/ertex Resou Services, Inc.	rces	Work	Order Numb	oer: 2208	<b>388</b>		RcptNo:	1
Received	d By:	Tracy Casar	rubias	8/27/202	2 9:35:00 A	M				
Complet	ed By:	Isaiah Ortiz		8/27/202	2 9:54:25 A	M		I-C	24	
Reviewe	d By:	The		8127						
<u>Chain c</u>	of Custo	<u>ody</u>						_	_	
1. Is Cha	ain of Cus	tody complet	ə?			Yes	$\checkmark$	No 🗌	Not Present	
2. How v	was the sa	ample delivere	ed?			<u>Couri</u>	er			
Log In		t made to coo	l the sampl	es?		Yes		No 🗌		
o. Wuo t						100				
4. Were	all sample	es received at	a temperat	ure of >0° C t	o 6.0°C	Yes	$\checkmark$	No 🗌		
5. Samp	ole(s) in pro	oper containe	r(s)?			Yes	$\checkmark$	No 🗌		
6. Suffici	ient sampl	e volume for	indicated te	st(s)?		Yes	$\checkmark$	No 🗌		
7. Are sa	amples (ex	cept VOA an	d ONG) pro	perly preserve	d?	Yes	$\checkmark$	No 🗌		
8. Was p	oreservativ	e added to b	ottles?			Yes		No 🗹	NA 🗌	
9. Receiv	ved at leas	st 1 vial with I	neadspace	<1/4" for AQ V	OA?	Yes		No 🗌	NA 🔽	70
10. Were	any samp	le containers	received b	roken?		Yes		No 🔽	the forecoon and	
		c match bottle				Yes	✓	No 🗌	# of preserved bottles checked for pH:	8-27.2
		cies on chain				Yes		No 🗌	Adjusted?	>12 unless noted)
30.000.0		analyses were		n of Custody?		Yes				
14. Were	all holding	times able to tomer for aut	be met?	I		Yes		No 🗌	Checked by:	
		ng (if appli								
-				vith this order?		Yes		No 🗌	NA 🗹	
	Person N	otified:			Date	1				
	By Whom	n: 🔽			Via:	🗌 eMa	il 🗌 Phor	ne 🗌 Fax	In Person	
	Regarding	g: <b>Г</b>								
	Client Ins	tructions:								
16. Addi	tional rem	arks:								
	ler Inform		Condition	Cool Intert	Coal Ma	Cost		anod De		
1	ooler No	Temp °C 4.0 0	Condition Good	Seal Intact Not Present	Seal No	Seal Da		gned By		
2			Good	Not Present						

Page 1 of 1

Re If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of	1 20 100 Munn	Time: Relinquished by:		Tisso.	022	8:45	:582							8/25 9:00 SOI' 8ES22-09 ZOLS	Date Time Matrix Sample Name		EDD (Type)	Accreditation:	Standard     Intervention     Standard     Intervention     Standard     Intervention	QA/QC Package:	email or Fax#:	Phone #:		Mailing Address: のの Fi え	-	Slient: EOG/Vartex	Chain-of-Custody Record	124
contracted to other accredited laborato		Received by: Via: Carry	Received by: Via:	-											Container Preservative Type and # Type	Cooler Temp(including CF): 500	olers: "	Sampler: C人 On Ice: 文Yes		~	Project Manager:	22E-00716-0	Project #:	Juie #2 Rattery	Project Name:	Standard Rush	Turn-Around Time: 24-HOUR	
ries. This serves as notice of this	25: 4 27/22	_	and an Ingo											001	HEAL No. 2708 C1 88	ep Runauks (°C)		No		MOFF, オセ		-011		ttary			-HOUR	
this possibility. Any sub-contracted data will be clearly notated on the analytical report			Remarks:									 	-	1	RTEX	-	_		_		_							
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sub-cor		TRCE BIN CUS	CC: Monica												EDB (I				10		_		Tel. 505-345-3975	4901 Hawkins NE				
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the anal		5	0			-+	-	-+												-	_		4107	Albuquerque, NM 87109	3	ABORATORY	ENVIDONMENTAI	
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**Released to Imaging: 10/11/2022 2:58:30 PM** 



July 14, 2022

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

OrderNo.: 2207061

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Julie 2 Battery

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 24 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

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

Lab ID:

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

2207061-001

Analytical Report Lab Order 2207061

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: WES22-15 5' Collection Date: 6/29/2022 9:00:00 AM

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	14	mg/Kg	1	7/8/2022 11:23:03 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 11:23:03 PM
Surr: DNOP	116	51.1-141	%Rec	1	7/8/2022 11:23:03 PM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 1:51:00 AM
Surr: BFB	97.1	37.7-212	%Rec	1	7/7/2022 1:51:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	7/7/2022 1:51:00 AM
Toluene	ND	0.049	mg/Kg	1	7/7/2022 1:51:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 1:51:00 AM
Xylenes, Total	ND	0.098	mg/Kg	1	7/7/2022 1:51:00 AM
Surr: 4-Bromofluorobenzene	90.9	70-130	%Rec	1	7/7/2022 1:51:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	71	60	mg/Kg	20	7/8/2022 7:56:20 PM

Matrix: SOIL

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

**Qualifiers:** 

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

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

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

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

Page 1 of 30

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207061

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: WES22-15 10' Collection Date: 6/29/2022 9:05:00 AM Received Date: 7/2/2022 9:35:00 AM

Lab ID: 2207061-002	Matrix: SOIL	<b>Received Date:</b> 7/2/2022 9:35:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RAN	GE ORGANICS				Analyst: ED				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 11:47:00 PM				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/8/2022 11:47:00 PM				
Surr: DNOP	70.2	51.1-141	%Rec	1	7/8/2022 11:47:00 PM				
EPA METHOD 8015D: GASOLINE RAM	NGE				Analyst: RAA				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 2:11:00 AM				
Surr: BFB	100	37.7-212	%Rec	1	7/7/2022 2:11:00 AM				
EPA METHOD 8021B: VOLATILES					Analyst: RAA				
Benzene	ND	0.024	mg/Kg	1	7/7/2022 2:11:00 AM				
Toluene	ND	0.049	mg/Kg	1	7/7/2022 2:11:00 AM				
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 2:11:00 AM				
Xylenes, Total	ND	0.098	mg/Kg	1	7/7/2022 2:11:00 AM				
Surr: 4-Bromofluorobenzene	94.9	70-130	%Rec	1	7/7/2022 2:11:00 AM				
EPA METHOD 300.0: ANIONS					Analyst: <b>JTT</b>				
Chloride	100	60	mg/Kg	20	7/8/2022 8:08:41 PM				

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

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to 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 30

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207061

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: WES22-15 15' Collection Date: 6/29/2022 9:10:00 AM Received Date: 7/2/2022 9:35:00 AM

Lab ID: 2207061-003	Matrix: SOIL	<b>Received Date:</b> 7/2/2022 9:35:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RAN	IGE ORGANICS				Analyst: ED				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/9/2022 12:10:54 AM				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/9/2022 12:10:54 AM				
Surr: DNOP	112	51.1-141	%Rec	1	7/9/2022 12:10:54 AM				
EPA METHOD 8015D: GASOLINE RA	NGE				Analyst: RAA				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/7/2022 2:30:00 AM				
Surr: BFB	98.6	37.7-212	%Rec	1	7/7/2022 2:30:00 AM				
EPA METHOD 8021B: VOLATILES					Analyst: RAA				
Benzene	ND	0.023	mg/Kg	1	7/7/2022 2:30:00 AM				
Toluene	ND	0.047	mg/Kg	1	7/7/2022 2:30:00 AM				
Ethylbenzene	ND	0.047	mg/Kg	1	7/7/2022 2:30:00 AM				
Xylenes, Total	ND	0.093	mg/Kg	1	7/7/2022 2:30:00 AM				
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	7/7/2022 2:30:00 AM				
EPA METHOD 300.0: ANIONS					Analyst: JTT				
Chloride	210	60	mg/Kg	20	7/8/2022 9:35:05 PM				

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

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to 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 30

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-28 10' Collection Date: 6/29/2022 9:15:00 AM Received Date: 7/2/2022 9:35:00 AM

Lab ID: 2207061-004	Matrix: SOIL	<b>Received Date:</b> 7/2/2022 9:35:00 AM							
Analyses	Result	RL Qua	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: <b>ED</b>				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/9/2022 12:34:50 AM				
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/9/2022 12:34:50 AM				
Surr: DNOP	86.2	51.1-141	%Rec	1	7/9/2022 12:34:50 AM				
EPA METHOD 8015D: GASOLINE RANG	θE				Analyst: RAA				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 2:50:00 AM				
Surr: BFB	99.3	37.7-212	%Rec	1	7/7/2022 2:50:00 AM				
EPA METHOD 8021B: VOLATILES					Analyst: RAA				
Benzene	ND	0.024	mg/Kg	1	7/7/2022 2:50:00 AM				
Toluene	ND	0.049	mg/Kg	1	7/7/2022 2:50:00 AM				
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 2:50:00 AM				
Xylenes, Total	ND	0.098	mg/Kg	1	7/7/2022 2:50:00 AM				
Surr: 4-Bromofluorobenzene	94.6	70-130	%Rec	1	7/7/2022 2:50:00 AM				
EPA METHOD 300.0: ANIONS					Analyst: <b>JTT</b>				
Chloride	ND	59	mg/Kg	20	7/8/2022 9:47:26 PM				

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

**Qualifiers:** 

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

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

Page 4 of 30

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207061

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: WES22-28 16' Collection Date: 6/29/2022 9:20:00 AM Received Date: 7/2/2022 9:35:00 AM

Lab ID: 2207061-005	Matrix: SOIL	<b>Received Date:</b> 7/2/2022 9:35:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANG	SE ORGANICS				Analyst: ED				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/9/2022 12:58:44 AM				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/9/2022 12:58:44 AM				
Surr: DNOP	82.3	51.1-141	%Rec	1	7/9/2022 12:58:44 AM				
EPA METHOD 8015D: GASOLINE RAN	GE				Analyst: RAA				
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/7/2022 3:10:00 AM				
Surr: BFB	100	37.7-212	%Rec	1	7/7/2022 3:10:00 AM				
EPA METHOD 8021B: VOLATILES					Analyst: RAA				
Benzene	ND	0.024	mg/Kg	1	7/7/2022 3:10:00 AM				
Toluene	ND	0.047	mg/Kg	1	7/7/2022 3:10:00 AM				
Ethylbenzene	ND	0.047	mg/Kg	1	7/7/2022 3:10:00 AM				
Xylenes, Total	ND	0.095	mg/Kg	1	7/7/2022 3:10:00 AM				
Surr: 4-Bromofluorobenzene	95.8	70-130	%Rec	1	7/7/2022 3:10:00 AM				
EPA METHOD 300.0: ANIONS					Analyst: JTT				
Chloride	1200	60	mg/Kg	20	7/8/2022 9:59:47 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 5 of 30

Lab ID:

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

2207061-006

Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-29 10' Collection Date: 6/29/2022 9:25:00 AM Received Date: 7/2/2022 9:35:00 AM

Analyses	Result	RL Qua	l Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/9/2022 1:22:37 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/9/2022 1:22:37 AM
Surr: DNOP	75.7	51.1-141	%Rec	1	7/9/2022 1:22:37 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/7/2022 3:29:00 AM
Surr: BFB	99.4	37.7-212	%Rec	1	7/7/2022 3:29:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.023	mg/Kg	1	7/7/2022 3:29:00 AM
Toluene	ND	0.046	mg/Kg	1	7/7/2022 3:29:00 AM
Ethylbenzene	ND	0.046	mg/Kg	1	7/7/2022 3:29:00 AM
Xylenes, Total	ND	0.093	mg/Kg	1	7/7/2022 3:29:00 AM
Surr: 4-Bromofluorobenzene	92.6	70-130	%Rec	1	7/7/2022 3:29:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	95	60	mg/Kg	20	7/8/2022 10:12:07 PM

Matrix: SOIL

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

**Qualifiers:** 

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

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

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Surr: 4-Bromofluorobenzene

Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

7/6/2022 7:41:17 PM

7/8/2022 10:24:28 PM

Analyst: JTT

### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-29 16 **Project:** Julie 2 Battery Collection Date: 6/29/2022 9:30:00 AM Lab ID: 2207061-007 Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses Analyst: ED EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) ND 15 mg/Kg 1 7/9/2022 1:46:27 AM Motor Oil Range Organics (MRO) 7/9/2022 1:46:27 AM ND 49 mg/Kg 1 Surr: DNOP 95.8 51.1-141 %Rec 1 7/9/2022 1:46:27 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/6/2022 7:41:17 PM 4.9 mg/Kg 1 Surr: BFB 97.5 37.7-212 %Rec 1 7/6/2022 7:41:17 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene 0.027 0.024 7/6/2022 7:41:17 PM mg/Kg 1 Toluene ND 0.049 mg/Kg 1 7/6/2022 7:41:17 PM Ethylbenzene ND 0.049 mg/Kg 1 7/6/2022 7:41:17 PM Xylenes, Total ND 0.098 mg/Kg 1 7/6/2022 7:41:17 PM

 EPA METHOD 300.0: ANIONS
 ND
 60
 mg/Kg
 20

96.2

70-130

%Rec

1

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

Qualifiers:

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

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 30

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-32 10' Collection Date: 6/29/2022 9:35:00 AM Received Date: 7/2/2022 9:35:00 AM

Lab ID: 2207061-008	Matrix: SOIL	<b>Received Date:</b> 7/2/2022 9:35:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: ED				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/9/2022 2:10:20 AM				
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/9/2022 2:10:20 AM				
Surr: DNOP	92.1	51.1-141	%Rec	1	7/9/2022 2:10:20 AM				
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 8:51:59 PM				
Surr: BFB	96.2	37.7-212	%Rec	1	7/6/2022 8:51:59 PM				
EPA METHOD 8021B: VOLATILES					Analyst: NSB				
Benzene	ND	0.025	mg/Kg	1	7/6/2022 8:51:59 PM				
Toluene	ND	0.049	mg/Kg	1	7/6/2022 8:51:59 PM				
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 8:51:59 PM				
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2022 8:51:59 PM				
Surr: 4-Bromofluorobenzene	96.0	70-130	%Rec	1	7/6/2022 8:51:59 PM				
EPA METHOD 300.0: ANIONS					Analyst: NAI				
Chloride	5400	150	mg/Kg	50	7/11/2022 10:27:28 PM				

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

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to 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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**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report
Lab Order 2207061

Date Reported: 7/14/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-32 16' Collection Date: 6/29/2022 9:40:00 AM Received Date: 7/2/2022 9:35:00 AM

Lab ID: 2207061-009	Matrix: SOIL	<b>Received Date:</b> 7/2/2022 9:35:00 AM							
Analyses	Result	RL Qu	al Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: ED				
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/9/2022 2:34:17 AM				
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/9/2022 2:34:17 AM				
Surr: DNOP	98.0	51.1-141	%Rec	1	7/9/2022 2:34:17 AM				
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/6/2022 10:02:33 PM				
Surr: BFB	99.1	37.7-212	%Rec	1	7/6/2022 10:02:33 PM				
EPA METHOD 8021B: VOLATILES					Analyst: NSB				
Benzene	ND	0.025	mg/Kg	1	7/6/2022 10:02:33 PM				
Toluene	ND	0.049	mg/Kg	1	7/6/2022 10:02:33 PM				
Ethylbenzene	ND	0.049	mg/Kg	1	7/6/2022 10:02:33 PM				
Xylenes, Total	ND	0.098	mg/Kg	1	7/6/2022 10:02:33 PM				
Surr: 4-Bromofluorobenzene	96.8	70-130	%Rec	1	7/6/2022 10:02:33 PM				
EPA METHOD 300.0: ANIONS					Analyst: JTT				
Chloride	220	60	mg/Kg	20	7/8/2022 11:13:51 PM				

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

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to 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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Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: BES22-02 20' **Project:** Julie 2 Battery Collection Date: 6/29/2022 9:45:00 AM Lab ID: 2207061-010 Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 15 mg/Kg 1 7/9/2022 2:58:01 AM Motor Oil Range Organics (MRO) ND 50 mg/Kg 1 7/9/2022 2:58:01 AM Surr: DNOP 51.1-141 %Rec 1 7/9/2022 2:58:01 AM 116 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/6/2022 10:25:58 PM 4.8 mg/Kg 1 Surr: BFB 95.1 37.7-212 %Rec 1 7/6/2022 10:25:58 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 7/6/2022 10:25:58 PM mg/Kg 1 Toluene ND 0.048 mg/Kg 1 7/6/2022 10:25:58 PM Ethylbenzene ND 0.048 mg/Kg 1 7/6/2022 10:25:58 PM Xylenes, Total ND 0.097 mg/Kg 1 7/6/2022 10:25:58 PM Surr: 4-Bromofluorobenzene 95.7 70-130 %Rec 1 7/6/2022 10:25:58 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT mg/Kg Chloride 7/8/2022 11:26:12 PM 160 60 20

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

**Qualifiers:** 

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-01 2' **Project:** Julie 2 Battery Collection Date: 6/30/2022 9:00:00 AM Lab ID: 2207061-011 Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses Analyst: ED EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) ND 15 mg/Kg 1 7/9/2022 3:21:51 AM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 7/9/2022 3:21:51 AM Surr: DNOP 74.2 51.1-141 %Rec 1 7/9/2022 3:21:51 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/6/2022 10:49:28 PM 5.0 mg/Kg 1 Surr: BFB 96.9 37.7-212 %Rec 1 7/6/2022 10:49:28 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 7/6/2022 10:49:28 PM mg/Kg 1 Toluene ND 0.050 mg/Kg 1 7/6/2022 10:49:28 PM Ethylbenzene ND 0.050 mg/Kg 1 7/6/2022 10:49:28 PM Xylenes, Total ND 0.10 mg/Kg 1 7/6/2022 10:49:28 PM Surr: 4-Bromofluorobenzene 97.8 70-130 %Rec 1 7/6/2022 10:49:28 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT mg/Kg Chloride 7/8/2022 11:38:33 PM ND 60 20

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

**Qualifiers:** 

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Released to Imaging: 10/11/2022 2:58:30 PM

Julie 2 Battery

2207061-012

**Project:** 

Lab ID:

Analyses

**Analytical Report** Lab Order 2207061

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 **CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-08 2' Collection Date: 6/30/2022 9:05:00 AM Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED

Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/9/2022 3:45:46 AM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/9/2022 3:45:46 AM
Surr: DNOP	107	51.1-141	%Rec	1	7/9/2022 3:45:46 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2022 11:12:55 PM
Surr: BFB	97.3	37.7-212	%Rec	1	7/6/2022 11:12:55 PM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	7/6/2022 11:12:55 PM
Toluene	ND	0.050	mg/Kg	1	7/6/2022 11:12:55 PM
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2022 11:12:55 PM
Xylenes, Total	ND	0.10	mg/Kg	1	7/6/2022 11:12:55 PM
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	7/6/2022 11:12:55 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	7/8/2022 11:50:54 PM

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

**Qualifiers:** 

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

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

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

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

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Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

7/9/2022 12:03:15 AM

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-09 2' **Project:** Julie 2 Battery Collection Date: 6/30/2022 9:10:00 AM Lab ID: 2207061-013 Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses Analyst: ED EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) ND 14 mg/Kg 1 7/9/2022 4:09:34 AM Motor Oil Range Organics (MRO) 7/9/2022 4:09:34 AM ND 48 mg/Kg 1 Surr: DNOP 93.1 51.1-141 %Rec 1 7/9/2022 4:09:34 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/6/2022 11:36:22 PM 4.8 mg/Kg 1 Surr: BFB 95.3 37.7-212 %Rec 1 7/6/2022 11:36:22 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.024 7/6/2022 11:36:22 PM mg/Kg 1 Toluene ND 0.048 mg/Kg 1 7/6/2022 11:36:22 PM Ethylbenzene ND 0.048 mg/Kg 1 7/6/2022 11:36:22 PM Xylenes, Total ND 0.096 mg/Kg 1 7/6/2022 11:36:22 PM Surr: 4-Bromofluorobenzene 98.5 70-130 %Rec 1 7/6/2022 11:36:22 PM **EPA METHOD 300.0: ANIONS** Analyst: JTT

ND

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

**Qualifiers:** 

Chloride

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

mg/Kg

20

60

P Sample pH Not In Range

RL Reporting Limit

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Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-20 2' **Project:** Julie 2 Battery Collection Date: 6/30/2022 9:20:00 AM Lab ID: 2207061-015 Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses Analyst: ED EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) ND 14 mg/Kg 1 7/9/2022 4:57:07 AM Motor Oil Range Organics (MRO) 7/9/2022 4:57:07 AM ND 48 mg/Kg 1 Surr: DNOP 97.4 51.1-141 %Rec 1 7/9/2022 4:57:07 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/6/2022 11:59:45 PM 4.9 mg/Kg 1 Surr: BFB 94.9 37.7-212 %Rec 1 7/6/2022 11:59:45 PM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 7/6/2022 11:59:45 PM mg/Kg 1 Toluene ND 0.049 mg/Kg 1 7/6/2022 11:59:45 PM Ethylbenzene ND 0.049 mg/Kg 1 7/6/2022 11:59:45 PM Xylenes, Total ND 0.099 mg/Kg 1 7/6/2022 11:59:45 PM Surr: 4-Bromofluorobenzene 96.7 70-130 %Rec 1 7/6/2022 11:59:45 PM **EPA METHOD 300.0: ANIONS** Analyst: NAI Chloride mg/Kg 7/11/2022 10:39:52 PM 3300 300 100

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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Lab ID:

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

2207061-016

Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-20 4' Collection Date: 6/30/2022 9:25:00 AM Received Date: 7/2/2022 9:35:00 AM

S ND ND 124	14 48	mg/Kg	1	Analyst: ED
ND	48	0 0	1	
			-	7/9/2022 5:20:53 AM
124		mg/Kg	1	7/9/2022 5:20:53 AM
	51.1-141	%Rec	1	7/9/2022 5:20:53 AM
				Analyst: NSB
ND	4.9	mg/Kg	1	7/7/2022 12:23:07 AM
96.4	37.7-212	%Rec	1	7/7/2022 12:23:07 AM
				Analyst: NSB
ND	0.025	mg/Kg	1	7/7/2022 12:23:07 AM
ND	0.049	mg/Kg	1	7/7/2022 12:23:07 AM
ND	0.049	mg/Kg	1	7/7/2022 12:23:07 AM
ND	0.098	mg/Kg	1	7/7/2022 12:23:07 AM
97.7	70-130	%Rec	1	7/7/2022 12:23:07 AM
				Analyst: NAI
	ND ND ND ND	ND0.025ND0.049ND0.049ND0.098	96.4 37.7-212 %Rec ND 0.025 mg/Kg ND 0.049 mg/Kg ND 0.049 mg/Kg ND 0.098 mg/Kg	96.4 37.7-212 %Rec 1 ND 0.025 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.049 mg/Kg 1 ND 0.098 mg/Kg 1

Matrix: SOIL

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

**Qualifiers:** 

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

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

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Lab ID:

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

2207061-017

Analytical Report Lab Order 2207061

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 Client Sample ID: WES22-24 2' Collection Date: 6/30/2022 9:30:00 AM

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	ANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/9/2022 5:44:40 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/9/2022 5:44:40 AM
Surr: DNOP	78.8	51.1-141	%Rec	1	7/9/2022 5:44:40 AM
EPA METHOD 8015D: GASOLINE RANGE					Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 12:46:32 AM
Surr: BFB	95.5	37.7-212	%Rec	1	7/7/2022 12:46:32 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	7/7/2022 12:46:32 AM
Toluene	ND	0.049	mg/Kg	1	7/7/2022 12:46:32 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 12:46:32 AM
Xylenes, Total	ND	0.098	mg/Kg	1	7/7/2022 12:46:32 AM
Surr: 4-Bromofluorobenzene	98.0	70-130	%Rec	1	7/7/2022 12:46:32 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	130	60	mg/Kg	20	7/9/2022 12:40:17 AM

Matrix: SOIL

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

**Qualifiers:** 

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

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

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

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

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**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-24 4' Collection Date: 6/30/2022 9:35:00 AM Received Date: 7/2/2022 9:35:00 AM

Lab ID: 2207061-018	Matrix: SOIL	Recei	ived Date:	7/2/20	22 9:35:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/9/2022 6:08:29 AM
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	7/9/2022 6:08:29 AM
Surr: DNOP	77.0	51.1-141	%Rec	1	7/9/2022 6:08:29 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 1:33:35 AM
Surr: BFB	96.3	37.7-212	%Rec	1	7/7/2022 1:33:35 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.025	mg/Kg	1	7/7/2022 1:33:35 AM
Toluene	ND	0.049	mg/Kg	1	7/7/2022 1:33:35 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 1:33:35 AM
Xylenes, Total	ND	0.098	mg/Kg	1	7/7/2022 1:33:35 AM
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	7/7/2022 1:33:35 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	370	60	mg/Kg	20	7/9/2022 12:52:38 AM

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

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to 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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Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-34 2' **Project:** Julie 2 Battery Collection Date: 6/30/2022 9:40:00 AM Lab ID: 2207061-019 Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: ED Diesel Range Organics (DRO) ND 14 mg/Kg 1 7/9/2022 6:32:17 AM Motor Oil Range Organics (MRO) ND 48 mg/Kg 1 7/9/2022 6:32:17 AM Surr: DNOP 101 51.1-141 %Rec 1 7/9/2022 6:32:17 AM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/7/2022 1:57:00 AM 5.0 mg/Kg 1 Surr: BFB 92.0 37.7-212 %Rec 1 7/7/2022 1:57:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 7/7/2022 1:57:00 AM mg/Kg 1 Toluene ND 0.050 mg/Kg 1 7/7/2022 1:57:00 AM Ethylbenzene ND 0.050 mg/Kg 1 7/7/2022 1:57:00 AM Xylenes, Total ND 0.10 mg/Kg 1 7/7/2022 1:57:00 AM Surr: 4-Bromofluorobenzene 96.1 70-130 %Rec 1 7/7/2022 1:57:00 AM **EPA METHOD 300.0: ANIONS** Analyst: JTT mg/Kg Chloride 7/9/2022 1:04:58 AM ND 60 20

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

**Qualifiers:** 

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

H Holding times for preparation or analysis exceeded

 ND
 Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

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

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**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-34 4' Collection Date: 6/30/2022 9:45:00 AM Received Date: 7/2/2022 9:35:00 AM

Lab ID: 2207061-020	Matrix: SOIL	Recei	ived Date:	7/2/20	22 9:35:00 AM
Analyses	Result	RL Qua	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/9/2022 6:56:04 AM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/9/2022 6:56:04 AM
Surr: DNOP	72.7	51.1-141	%Rec	1	7/9/2022 6:56:04 AM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 2:20:26 AM
Surr: BFB	93.6	37.7-212	%Rec	1	7/7/2022 2:20:26 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	7/7/2022 2:20:26 AM
Toluene	ND	0.049	mg/Kg	1	7/7/2022 2:20:26 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 2:20:26 AM
Xylenes, Total	ND	0.097	mg/Kg	1	7/7/2022 2:20:26 AM
Surr: 4-Bromofluorobenzene	97.0	70-130	%Rec	1	7/7/2022 2:20:26 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	1100	61	mg/Kg	20	7/9/2022 1:42:02 AM

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

Qualifiers:

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

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

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Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-35 2' **Project:** Julie 2 Battery Collection Date: 6/30/2022 9:50:00 AM Lab ID: 2207061-021 Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses Analyst: ED EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) ND 15 mg/Kg 1 7/11/2022 3:44:08 PM Motor Oil Range Organics (MRO) ND 49 mg/Kg 1 7/11/2022 3:44:08 PM Surr: DNOP 93.7 51.1-141 %Rec 1 7/11/2022 3:44:08 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/7/2022 2:43:49 AM 4.9 mg/Kg 1 Surr: BFB 96.7 37.7-212 %Rec 1 7/7/2022 2:43:49 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 7/7/2022 2:43:49 AM mg/Kg 1 Toluene ND 0.049 mg/Kg 1 7/7/2022 2:43:49 AM Ethylbenzene ND 0.049 mg/Kg 1 7/7/2022 2:43:49 AM Xylenes, Total ND 0.099 mg/Kg 1 7/7/2022 2:43:49 AM Surr: 4-Bromofluorobenzene 96.5 70-130 %Rec 1 7/7/2022 2:43:49 AM **EPA METHOD 300.0: ANIONS** Analyst: CAS mg/Kg Chloride 7/10/2022 11:02:13 AM ND 60 20

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

**Qualifiers:** 

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

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Lab ID:

Analyses

**Analytical Report** Lab Order 2207061

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 **CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-35 4' Julie 2 Battery Collection Date: 6/30/2022 9:55:00 AM 2207061-022 Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyst: ED EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) ND 15 mg/Kg 1 7/11/2022 4:28:30 PM Motor Oil Range Organics (MRO) ND 7/11/2022 4:28:30 PM 50 mg/Kg 1 Surr: DNOP 79.3 51.1-141 %Rec 1 7/11/2022 4:28:30 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/7/2022 3:07:19 AM 5.0 mg/Kg 1 Surr: BFB 94.0 37.7-212 %Rec 1 7/7/2022 3:07:19 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB .... . . . . . ------

Benzene	ND	0.025	mg/Kg	1	7/7/2022 3:07:19 AM
Toluene	ND	0.050	mg/Kg	1	7/7/2022 3:07:19 AM
Ethylbenzene	ND	0.050	mg/Kg	1	7/7/2022 3:07:19 AM
Xylenes, Total	ND	0.099	mg/Kg	1	7/7/2022 3:07:19 AM
Surr: 4-Bromofluorobenzene	97.4	70-130	%Rec	1	7/7/2022 3:07:19 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	64	60	mg/Kg	20	7/10/2022 11:14:37 AM

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

**Qualifiers:** 

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

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

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\*

Lab ID:

Analyses

Toluene

Ethylbenzene

Xylenes, Total

**Analytical Report** Lab Order 2207061

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/14/2022 **CLIENT:** Vertex Resources Services, Inc. Client Sample ID: WES22-36 2' Julie 2 Battery Collection Date: 6/30/2022 10:00:00 AM 2207061-023 Matrix: SOIL Received Date: 7/2/2022 9:35:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyst: ED EPA METHOD 8015M/D: DIESEL RANGE ORGANICS Diesel Range Organics (DRO) ND 15 mg/Kg 1 7/11/2022 4:42:45 PM Motor Oil Range Organics (MRO) 7/11/2022 4:42:45 PM ND 49 mg/Kg 1 Surr: DNOP 75.1 51.1-141 %Rec 1 7/11/2022 4:42:45 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 7/7/2022 3:30:53 AM 5.0 mg/Kg 1 Surr: BFB 97.5 37.7-212 %Rec 1 7/7/2022 3:30:53 AM **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 7/7/2022 3:30:53 AM 0.025 mg/Kg 1 ND 0.050 mg/Kg 1 7/7/2022 3:30:53 AM

0.050

0.099

mg/Kg

mg/Kg

1

1

1

20

7/7/2022 3:30:53 AM

7/7/2022 3:30:53 AM

7/7/2022 3:30:53 AM

7/10/2022 11:51:50 AM

Analyst: CAS

ND

ND

Surr: 4-Bromofluorobenzene 96.5 70-130 %Rec **EPA METHOD 300.0: ANIONS** mg/Kg Chloride ND 60

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

**Qualifiers:** 

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

Н Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

POL Practical Quanitative Limit

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

E Estimated value

J Analyte detected below quantitation limits

Р Sample pH Not In Range

RL Reporting Limit Page 22 of 30

Released to Imaging: 10/11/2022 2:58:30 PM

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207061

Date Reported: 7/14/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: WES22-36 4' Collection Date: 6/30/2022 10:05:00 AM Received Date: 7/2/2022 9:35:00 AM

Lab ID: 2207061-024	Matrix: SOIL	Rece	ived Date:	7/2/20	22 9:35:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: ED
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/11/2022 4:57:09 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/11/2022 4:57:09 PM
Surr: DNOP	69.7	51.1-141	%Rec	1	7/11/2022 4:57:09 PM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/7/2022 3:54:21 AM
Surr: BFB	94.4	37.7-212	%Rec	1	7/7/2022 3:54:21 AM
EPA METHOD 8021B: VOLATILES					Analyst: NSB
Benzene	ND	0.024	mg/Kg	1	7/7/2022 3:54:21 AM
Toluene	ND	0.049	mg/Kg	1	7/7/2022 3:54:21 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/7/2022 3:54:21 AM
Xylenes, Total	ND	0.098	mg/Kg	1	7/7/2022 3:54:21 AM
Surr: 4-Bromofluorobenzene	95.9	70-130	%Rec	1	7/7/2022 3:54:21 AM
EPA METHOD 300.0: ANIONS					Analyst: CAS
Chloride	310	60	mg/Kg	20	7/10/2022 12:04:14 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 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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Client: Project:		Vertex Resources Services, Inc. Julie 2 Battery									
Sample ID:	MB-68654	SampTy	pe: <b>mb</b>	lk	Tes	tCode: EF	A Method	300.0: Anions	6		
Client ID:	PBS	Batch	Batch ID: 68654			RunNo: <b>89355</b>					
Prep Date:	7/8/2022	Analysis Da	ate: 7/	10/2022	SeqNo: 3178511		Units: mg/K	g			
Analyte		Result PQL SPK value			SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		ND	1.5								
Sample ID:	LCS-68654	SampTy	pe: Ics		Tes	tCode: EF	A Method	300.0: Anions	5		
Client ID:	LCSS	Batch	ID: 686	654	F	RunNo: <b>89</b>	355				
Prep Date:	7/8/2022	Analysis Da	ate: 7/	10/2022	5	SeqNo: 31	78512	Units: mg/K	g		
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride		14	1.5	15.00	0	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
- 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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Client:Vertex RProject:Julie 2 B	Resources Services, Inc. Battery								
Sample ID: MB-68586	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel	Range Organics						
Client ID: PBS	Batch ID: 68586	RunNo: <b>89260</b>							
Prep Date: 7/6/2022	Analysis Date: 7/8/2022	SeqNo: 3178997 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	13 10.00	128 51.1 141							
Sample ID: LCS-68586	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 68586	RunNo: <b>89260</b>							
Prep Date: 7/6/2022	Analysis Date: 7/8/2022	SeqNo: 3178998 Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %	RPD RPDLimit Qual						
Diesel Range Organics (DRO)	59 15 50.00	0 118 64.4 127							
Surr: DNOP	6.4 5.000	128 51.1 141							
Sample ID: MB-68594	SampType: MBLK	TestCode: EPA Method 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	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 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	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: 2207061-021AMS	SampType: <b>MS</b>	TestCode: EPA Method 8015M/D: Diesel	Range Organics						
Client ID: WES22-35 2'	Batch ID: 68594	RunNo: <b>89368</b>							
Prep Date: 7/6/2022	Analysis Date: 7/11/2022	SeqNo: 3180211 Units: mg/Kg							
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %	RPD RPDLimit Qual						
Diesel Range Organics (DRO)	43 14 47.76	0 89.2 36.1 154							
Surr: DNOP	3.7 4.776	76.6 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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14-Jul-22

Client: Project:	Vertex Re Julie 2 Bar											
Sample ID:	2207061-021AMSD	SampTyp	e: MS	SD	TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID:	WES22-35 2'	Batch II	D: 68	594	RunNo: 89368							
Prep Date:	7/6/2022	Analysis Date	e: <b>7/</b>	11/2022	SeqNo: 3180212 Units: mg/K			Units: mg/Kg	l			
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range C	Organics (DRO)	37	15	49.07	0	74.9	36.1	154	14.8	33.9		
Surr: DNOP		2.7		4.907		55.0	51.1	141	0	0		
Sample ID:	MB-68675	SampType: MBLK TestCode: EPA Metho					PA Method	8015M/D: Dies	el Range	Organics		
					RunNo: 89401							
Client ID:	PBS	Batch II	D: 680	675	F	RunNo: <b>8</b> 9	9401					
Client ID: Prep Date:	PBS 7/11/2022	Batch II Analysis Date				RunNo: <b>8</b> 9 SeqNo: <b>3</b> 1		Units: %Rec				
		Analysis Date		12/2022				Units: <b>%Rec</b> HighLimit	%RPD	RPDLimit	Qual	
Prep Date:	7/11/2022	Analysis Date	e: 7/	12/2022	S	SeqNo: 31	180414		%RPD	RPDLimit	Qual	
Prep Date: Analyte Surr: DNOP	7/11/2022	Analysis Date Result	e: <b>7/</b> PQL	<b>12/2022</b> SPK value 10.00	SPK Ref Val	SeqNo: 31 %REC 96.2	180414 LowLimit 51.1	HighLimit			Qual	
Prep Date: Analyte Surr: DNOP	7/11/2022	Analysis Date Result 9.6	e: <b>7/</b> PQL be: <b>LC</b>	12/2022 SPK value 10.00	SPK Ref Val	SeqNo: 31 %REC 96.2	180414 LowLimit 51.1 PA Method	HighLimit 141			Qual	
Prep Date: Analyte Surr: DNOP Sample ID:	7/11/2022 LCS-68675	Analysis Date Result 9.6 SampTyp	e: <b>7</b> / PQL De: <b>LC</b> D: <b>68</b>	12/2022 SPK value 10.00	SPK Ref Val Tes	SeqNo: 31 %REC 96.2	180414 LowLimit 51.1 PA Method	HighLimit 141			Qual	
Prep Date: Analyte Surr: DNOP Sample ID: Client ID:	7/11/2022 LCS-68675 LCSS	Analysis Date Result 9.6 SampTyp Batch II Analysis Date	e: <b>7</b> / PQL De: <b>LC</b> D: <b>68</b>	12/2022 SPK value 10.00	SPK Ref Val Tes F	SeqNo: 31 %REC 96.2 ttCode: EF	180414 LowLimit 51.1 PA Method	HighLimit 141 8015M/D: Dies			Qual	

Qualifiers:

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

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Gasoline Range Organics (GRO)         ND         5.0           Surr: BFB         960         1000         95.5         37.7         212           Sample ID: Ics-68555         SampType: LCS         TestCode: EPA Method 8015D: Gasoline Range           Client ID: ICSS         Batch ID: 68555         RunNo: 89271           Prep Date:         7/5/2022         Analysis Date: 7/6/2022         SeqNo: 3174485         Units: mg/Kg           Analyte         Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Que           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:         2207061-007ams         SampType: MS         TestCode: EPA Method 8015D: Gasoline Range         Client ID:         WES22-29 16'         Batch ID: 68555         RunNo: 89271           Prep Date:         7/5/2022         Analysis Date:         7/6/2022         SeqNo:         3174487         Units: mg/Kg           Analyte         Result         PQL	Qual Qual S
Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174484Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuickGasoline Range Organics (GRO)ND5.05.037.7212212212212Sample ID:Lcs-68555SampType:LCSTestCode:EPA Method 8015D:Gasoline RangeClient ID:LCSSBatch ID:68555RunNo:89271Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174485Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuickGasoline Range Organics (GRO)285.025.00011472.313733	Qual S
AnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuGasoline Range Organics (GRO)ND5.0Surr: BFB960100095.537.7212Sample ID:Ics-68555SampType:LCSTestCode: EPA Method 8015D: Gasoline RangeClient ID:LCSSBatch ID:68555RunNo:89271Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174485Gasoline Range Organics (GRO)285.025.00011472.3137Surr: BFB2200100021537.72125Sample ID:2207061-007amsSampType: MSTestCode: EPA Method 8015D: Gasoline RangeClient ID:WES22-29 16'Batch ID:68555RunNo:89271Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174487Units: mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQue Gasoline RangeClient ID:WES22-29 16'Batch ID:68555RunNo:89271Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174487Units: mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitGasoline Range Organics (GRO)285.024.90011270130S	Qual S
Gasoline Range Organics (GRO)         ND         5.0           Surr: BFB         960         1000         95.5         37.7         212           Sample ID:         Ics-68555         SampType:         LCS         TestCode:         EPA Method 8015D:         Gasoline Range           Client ID:         LCSS         Batch ID:         68555         RunNo:         89271           Prep Date:         7/5/2022         Analysis Date:         7/6/2022         SeqNo:         3174485         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qu           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:         2207061-007ams         SampType: MS         TestCode:         EPA Method 8015D:         Gasoline Range           Client ID:         WES22-29 16'         Batch ID:         68555         RunNo:         89271           Prep Date:         7/5/2022         Analysis Date:         7/6/2022	Qual S
Sur:: BFB         960         1000         95.5         37.7         212           Sample ID::         Ics-68555         SampType:         LCS         TestCode:         EPA Method 8015D:         Gasoline Range           Client ID:         LCSS         Batch ID:         68555         RunNo:         89271           Prep Date:         7/5/2022         Analysis Date:         7/6/2022         SeqNo:         3174485         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Quitality           Gasoline Range Organics (GRO)         28         5.0         25.00         0         114         72.3         137           Surr: BFB         2200         1000         215         37.7         212         Strest Code:         EPA Method 8015D:         Gasoline Range           Client ID:         WES22-29 16'         Batch ID:         68555         RunNo:         89271           Prep Date:         7/5/2022         Analysis Date:         7/6/2022         SeqNo:         3174487         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SP	S
Client ID:LCSSBatch ID:68555RunNo:89271Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174485Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuGasoline Range Organics (GRO)285.025.00011472.3137317Surr: BFB2200100021537.72125Sample ID:2207061-007amsSampType:MSTestCode:EPA Method 8015D:Gasoline RangeClient ID:WES22-29 16'Batch ID:68555RunNo:89271Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174487Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuGasoline Range Organics (GRO)285.024.9001127013030Surr: BFB2200996.022137.721255Sample ID:2207061-007amsdSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeGasoline Range Organics (GRO)285.024.90011270130Surr: BFB2200996.022137.72125Sample ID:2207061-007amsdSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeC	S
Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174485Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuGasoline Range Organics (GRO)285.025.00011472.3137317317Surr: BFB2200100021537.721253Sample ID:2207061-007amsSampType:MSTestCode:EPA Method 8015D:Gasoline RangeClient ID:WES22-29 16'Batch ID:68555RunNo:89271Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174487Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimit <qu< td="">Gasoline Range Organics (GRO)285.024.9001127013030Surr: BFB2200996.022137.721253Sample ID:2207061-007amsdSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeClient ID:WES22-29 16'Batch ID:68555RunNo:8927153</qu<>	S
Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Question           Gasoline Range Organics (GRO)         28         5.0         25.00         0         114         72.3         137           Surr: BFB         2200         1000         215         37.7         212         53           Sample ID:         2207061-007ams         SampType: MS         TestCode:         EPA Method 8015D:         Gasoline Range           Client ID:         WES22-29 16'         Batch ID:         68555         RunNo:         89271           Prep Date:         7/5/2022         Analysis Date:         7/6/2022         SeqNo:         3174487         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Question           Gasoline Range Organics (GRO)         28         5.0         24.90         0         112         70         130           Surr: BFB         2200         996.0         221         37.7         212         S           SampType:         MSD         TestCode: </td <td>S</td>	S
Gasoline Range Organics (GRO)         28         5.0         25.00         0         114         72.3         137           Surr: BFB         2200         1000         215         37.7         212         5           Sample ID:         2207061-007ams         SampType: MS         TestCode: EPA Method 8015D: Gasoline Range         5           Client ID:         WES22-29 16'         Batch ID:         68555         RunNo:         89271           Prep Date:         7/5/2022         Analysis Date:         7/6/2022         SeqNo:         3174487         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Qu           Gasoline Range Organics (GRO)         28         5.0         24.90         0         112         70         130           Surr: BFB         2200         996.0         221         37.7         212         S           Sample ID:         2207061-007amsd         SampType: MSD         TestCode: EPA Method 8015D: Gasoline Range         S           Client ID:         WES22-29 16'         Batch ID: 68555         RunNo: 89271         S	S
Surr: BFB         2200         1000         215         37.7         212         5           Sample ID:         2207061-007ams         SampType: MS         TestCode:         EPA Method 8015D:         Gasoline Range         E	
Sample ID:2207061-007amsSampType:MSTestCode:EPA Method 8015D:Gasoline RangeClient ID:WES22-29 16'Batch ID:68555RunNo:89271Prep Date:7/5/2022Analysis Date:7/6/2022SeqNo:3174487Units:mg/KgAnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuestionGasoline Range Organics (GRO)285.024.9001127013030Surr: BFB2200996.022137.721235Sample ID:2207061-007amsdSampType:MSDTestCode:EPA Method 8015D:Gasoline RangeClient ID:WES22-29 16'Batch ID:68555RunNo:89271	
Client ID:       WES22-29 16'       Batch ID:       68555       RunNo:       89271         Prep Date:       7/5/2022       Analysis Date:       7/6/2022       SeqNo:       3174487       Units:       mg/Kg         Analyte       Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit       %RPD       RPDLimit       Quick         Gasoline Range Organics (GRO)       28       5.0       24.90       0       112       70       130         Surr: BFB       2200       996.0       221       37.7       212       Stanple ID:       2207061-007amsd       SampType:       MSD       TestCode:       EPA Method 8015D:       Gasoline Range         Client ID:       WES22-29 16'       Batch ID:       68555       RunNo:       89271	λnal
Prep Date:         7/5/2022         Analysis Date:         7/6/2022         SeqNo:         3174487         Units:         mg/Kg           Analyte         Result         PQL         SPK value         SPK Ref Val         %REC         LowLimit         HighLimit         %RPD         RPDLimit         Quick           Gasoline Range Organics (GRO)         28         5.0         24.90         0         112         70         130           Surr: BFB         2200         996.0         221         37.7         212         S           Sample ID:         2207061-007amsd         SampType:         MSD         TestCode:         EPA Method 8015D:         Gasoline Range           Client ID:         WES22-29 16'         Batch ID:         68555         RunNo:         89271	λual
AnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQueGasoline Range Organics (GRO)285.024.90011270130Surr: BFB2200996.022137.72125Sample ID:2207061-007amsdSampType: MSDTestCode: EPA Method 8015D: Gasoline RangeClient ID:WES22-29 16'Batch ID:68555RunNo:89271	λual
Gasoline Range Organics (GRO)         28         5.0         24.90         0         112         70         130           Surr: BFB         2200         996.0         221         37.7         212         5           Sample ID:         2207061-007amsd         SampType: MSD         TestCode:         EPA Method 8015D:         Gasoline Range           Client ID:         WES22-29 16'         Batch ID:         68555         RunNo:         89271	Qual
Surr: BFB         2200         996.0         221         37.7         212         S           Sample ID:         2207061-007amsd         SampType:         MSD         TestCode:         EPA Method 8015D:         Gasoline Range           Client ID:         WES22-29 16'         Batch ID:         68555         RunNo:         89271	
Sample ID:         2207061-007amsd         SampType:         MSD         TestCode:         EPA Method 8015D:         Gasoline Range           Client ID:         WES22-29 16'         Batch ID:         68555         RunNo:         89271	S
Client ID: WES22-29 16' Batch ID: 68555 RunNo: 89271	
Prep Date:         7/5/2022         Analysis Date:         7/6/2022         SeqNo:         3174488         Units:         mg/Kg	
AnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuGasoline Range Organics (GRO)294.823.850121701303.2120	Qual
	S
Sample ID:       Ics-68550       SampType:       LCS       TestCode:       EPA Method 8015D:       Gasoline Range         Client ID:       LCSS       Batch ID:       68550       RunNo:       89287	
Client ID:         LCSS         Batch ID:         68550         RunNo:         89287           Prep Date:         7/5/2022         Analysis Date:         7/6/2022         SeqNo:         3175349         Units:         mg/Kg	
	<b>.</b> .
AnalyteResultPQLSPK valueSPK Ref Val%RECLowLimitHighLimit%RPDRPDLimitQuGasoline Range Organics (GRO)255.025.00010272.3137	Qual
Surr: BFB         2100         1000         210         37.7         212	
Sample ID:     mb-68550     SampType:     MBLK     TestCode:     EPA Method 8015D:     Gasoline Range	
Client ID: PBS Batch ID: 68550 RunNo: 89287	
Prep Date: <b>7/5/2022</b> Analysis Date: <b>7/6/2022</b> SeqNo: <b>3175350</b> Units: <b>mg/Kg</b>	
Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qu	

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to 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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	/ertex Resources S ulie 2 Battery	ervices,	Inc.							
Sample ID: mb-6855	ample ID: mb-68550 SampType: MBLK					PA Method	8015D: Gaso	line Range	•	
Client ID: PBS	Batc	Batch ID: 68550			RunNo: <b>89</b>	287				
Prep Date: 7/5/202	5/2022 Analysis Date: 7/6/2022 SeqNo: 3175				75350	) Units: <b>mg/Kg</b>				
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		88.1	37.7	212			

Qualifiers:

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- 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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	rtex Resources S ie 2 Battery	Services,	Inc.							
Sample ID: mb-68555		Туре: МЕ		Too	tCodo: EF	A Mothod	8021B: Volat	laa		
								lies		
Client ID: PBS		ch ID: 685			RunNo: 89		11-11-11-11-11-11-11-11-11-11-11-11-11-			
Prep Date: 7/5/2022	Analysis	Date: 7/	6/2022	:	SeqNo: 31	74523	Units: <b>mg/K</b>	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-Bromofluorobenzen	e 0.96		1.000		95.7	70	130			
Sample ID: LCS-68555	Samp	Type: LC	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Bato	ch ID: 685	555	RunNo: 89271						
Prep Date: 7/5/2022	Analysis	Date: 7/	6/2022	:	SeqNo: 31	74524	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	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-Bromofluorobenzen	e 0.97		1.000		96.6	70	130			
Sample ID: 2207061-00	8ams Samp	Type: MS	5	TestCode: EPA Method 8021B: Volatiles						
Client ID: WES22-32	10' Bato	ch ID: 685	555	RunNo: <b>89271</b>						
Prep Date: 7/5/2022	Analysis	Date: 7/	6/2022	:	SeqNo: 31	74527	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.74	0.024	0.9775	0.01502	74.4	68.8	120			
Toluene	0.77	0.049	0.9775	0	78.4	73.6	124			
Ethylbenzene	0.76	0.049	0.9775	0	78.1	72.7	129			
Xylenes, Total	2.3	0.098	2.933	0	78.1	75.7	126			
Surr: 4-Bromofluorobenzen	e 0.97		0.9775		99.0	70	130			
Sample ID: 2207061-00	8amsd Samp	Туре: <b>МS</b>	D	Tes	tCode: EF	A Method	8021B: Volat	iles		
Client ID: WES22-32	10' Bato	ch ID: 685	555	F	RunNo: <b>8</b> 9	9271				
Prep Date: 7/5/2022	Analysis	Date: 7/	6/2022	Ş	SeqNo: 31	74528	Units: <b>mg/K</b>	(g		
Analyte	Result	PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9823	0.01502	108	68.8	120	36.5	20	R
Toluene	1.1	0.049	0.9823	0	115	73.6	124	38.0	20	R
Ethylbenzene	1.1	0.049	0.9823	0	117	72.7	129	40.0	20	R
Xylenes, Total	3.5	0.098	2.947	0	117	75.7	126	40.6	20	R
Surr: 4-Bromofluorobenzen	e 0.98		0.9823		100	70	130	0	0	

#### **Qualifiers:**

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

2207061

14-Jul-22

	rtex Resources S ie 2 Battery	Services,	Inc.													
Sample ID: Ics-68550	Samp	Туре: <b>LC</b>	S	TestCode: EPA Method 8021B: Volatiles												
Client ID: LCSS	Bato	h ID: 685	550	F	RunNo: <b>89</b>	9287										
Prep Date: 7/5/2022	Analysis	Date: 7/	6/2022	S	SeqNo: 31	75424	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	91.8	80	120									
Toluene	0.93	0.050	1.000	0	93.2	80	120									
Ethylbenzene	0.93	0.050	1.000	0	93.4	80	120									
Xylenes, Total	2.8	0.10	3.000	0	93.1	80	120									
Surr: 4-Bromofluorobenzene	e 0.87		1.000		87.2	70	130									
Sample ID: mb-68550	Samp	Туре: МЕ	BLK	Tes	tCode: EF											
Client ID: PBS	Bato	h ID: 685	550	F	RunNo: <b>89</b>											
Prep Date: 7/5/2022	Analysis	Date: 7/	6/2022	S	SeqNo: 31	75425	Units: <b>mg/K</b>	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	e 0.83		1.000		82.6	70	130									

Qualifiers:

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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

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17**-**J

WO#: 2207061 14-Jul-22

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5	Vertex Resources Services, Inc.				5-345-4107 nental.com	Jul	Page Sample Log-In Check List						
Received By:		VVork C	Order Number	r: 220706	1		RcptNo: 1						
	Andy Freeman	7/2/2022	9:35:00 AM		a	dig	-						
Completed By:	Cheyenne Cason	7/5/2022	7:23:18 AM		Che	dy L							
Reviewed By:	582 715/2	2											
Chain of Custo	ody												
1. Is Chain of Cus	tody complete?			Yes 🗸	) N	lo 🗌	Not Present						
2. How was the sa	ample delivered?			<u>Courier</u>									
<u>Log In</u> 3. Was an attempt	made to cool the sam	ples?		Yes 🗸	N	o 🗌							
4. Were all sample	s received at a tempe	ature of >0° C to	6.0°C	Yes 🗸	N	o 🗌							
5. Sample(s) in pro	oper container(s)?			Yes 🗸	N	o 🗌							
6. Sufficient sample	e volume for indicated	test(s)?		Yes 🔽	No	<b>b</b>							
7. Are samples (ex	cept VOA and ONG) p	roperly preserved	?	Yes 🗹	No								
8. Was preservative	e added to bottles?			Yes 🗌	No		NA 🗌						
9. Received at leas	t 1 vial with headspace	e <1/4" for AQ VO	A?	Yes 🗌	No		NA 🗹						
10. Were any sampl	e containers received	broken?		Yes	No								
11.Does paperwork (Note discrepanc	match bottle labels? ies on chain of custod	V)		Yes 🗹	Na		# of preserved bottles checked for pH: (<2 or >12-unle	co potod)					
	rectly identified on Cha			Yes 🗸	No		Adjusted?	ss noteu)					
	nalyses were requeste			Yes 🗸	No								
14. Were all holding to (If no, notify custo	times able to be met? omer for authorization.	)		Yes 🗹	No		Checked by: JN 7	5122					
Special Handling	g (if applicable)												
15. Was client notifie	ed of all discrepancies	with this order?		Yes 🗌	No		NA 🗹						
Person Not By Whom:	I		Date:	] eMail [	Phone	Fax	In Person						
Regarding: Client Instr	μ												
16. Additional remar	ˈks:												
17. <u>Cooler Informat</u>	tion												
	Temp °C Condition		eal No Se	eal Date	Signed	Ву							
1 3. 2 4.		Not Present Not Present											

Page 1 of 1

		JKAIOKY	4901 Hawkins NF - Alburuerone NM 87100	Fax 505-345-4107	Analysis Request	() ()		0 / DR 18082 04.1) 25 827( 827( 7, 3, 9 827( 3, 10 2, 2, 10 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	03 <sup>3</sup>	MTTI Metho Metho 3r, N 3r, N 3r, N	BS70 (9 BS60 () FDB (V FCRA RCRA RCRA FCRA FCRA FCRA FCRA FCRA											Remarks:	CC. Chance Dixon	DINCE BIN EUG	If necessary, samples submitted to Hall Environmental may be subcontracted to other agaretited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
Turn-Around Time: $S - Dq y$	E Standard 🔟 Rush		JUNE #2 Battery	Project #:	225-00716-011	Project Manager:	Monica perpin	Sampler: こんみっこと ひごうつう On Ice: ひYes ロ No	olers: 7	Cooler Temp(induding CF): 3, 7-0, 1 = 3, 6 (°C)	Container Preservative HEAL No.	S	1 002	003	400	500	006	£07	008	004	010	Received by: Via: pate Time	0/1/22	Received by: Via: Date Time	itracted to other ageredited laboratories. This serves as notice of th
hain-of-Custody Record	Client: EOG/ Verex		Mailing Address: のカ アルノピ		Phone #:	email or Fax#:	QA/QC Package:	☐ Az Compliance □ Other_			Date Time Matrix Sample Name	6/29 9:00 5017 dES22-15 5'	1 9:05 / 2522-15 10'	9:10 WESZE-15 15	9:15 2552-28 10'	9:20 WESZ-28 16'	9:25 NESEE 29 10'	9,30 NES22-29 16	9:35 252-32 10	9:40 2/ES22-32 16'	9:45 BES2202 20'	Date: Time: Relinquished by:		Date: Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be subcor

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<b>Receiv</b>	ed by	, <b>OC</b>	D: 9/8	8/20	228	:45	:58 AM						1		1			Γ		Τ	Т	Т	Т	Pa	<del>ge 108 o</del>	f 124
	HALL ENVIRONMENTAL		www.rialierityliofifilefital.com 4901 Hawkins NE - Albuquergue, NM 87109		Anal	(t)	PO4, S(	лг 8270 ИО <sub>2</sub> ,	10 c 13' 23'	, 83 v r, M r, N r, N r, M AC	EDB (Mo 3220 (Sc 3260 (Vc 5270 (Sc 5270 (Sc)52)))))))))))))))))))))))))))))))))))													3C: Chance Dixon	Direct Bill EOG	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.
			01 H	el 50							991 Pe	2													22	Any sub
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Turn-Around Time: $S - \partial q \eta$	🖄 Rush		: #2 Battery		10-91400-	er:	Momicg PEPpin	HADLE DI'XON		uding CF): 4,6-0,1 = 4,5-1°C)	Preservative     HEAL No.       Type     7767061		210 1	013	Cold	015	210	210	018	019	920	021	.20	Via: Date Time	127	
Turn-Around T	D Standard	Project Name:	JUNE	Project #:	22E	Project Manager:	MON	Sampler: Chand	olers:	Cooler Temp(including CF):	Container P		-											Received by:	Received by:	ontracted to other accre
Chain-of-Custody Record	Client: EOG/ vertex	Ima	Mailing Address:	104	Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	pe)		Date Time Matrix Sample Name	6/30 9:00 5017 WESZ2-01 2'	WES22.05	9:10 WE322-09 2'	9:15 WESZZ-10 2'	9:20 4552-20 2	9:25 NESCE- 20 4	9:36 NES22-24 2'	9:35 WES22-24 4	9:40 4552-34 C	9:45 WESE-34 4	9.50 NESZ-35 Z'	9:55	Date: Time: Relinquished by:	Date: Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.
Receive	d by (	OCD	): 9/8	202	22 8:	45:5	58 AM												Pag	e 109 of	124					
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Ū	L YS	vallen			Analy	¢O	PO₄, S				Сі' È' в ВСКА 8	2	7		 				out	11-18	ata will be					
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2			awkir	505-345-3975					-	_	EDB (W					 			 ÿ	Direct	o-contra					
			4901 Hawkins NE -	Tel 50							əq 1808								•	$\overline{\mathbf{Q}}$	Any sub					
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044	sh		Battery		10		Riord	Dixon	4,6-0.1: 4.5	3.7-0.1 =3.6 (°C)	B HEAL NO. (		024						Pate Time	$\int \frac{Date}{2\sqrt{2L}} \frac{Time}{0.935}$	ries. This serves as notice of the					
Turn-Around Time: 5-049	d Rush	е:	2#		225-00716-011	ager:	Ø	<i>Chance</i> W <sup>Yes</sup>	d iii	D(including CF):	Preservative Type	ICC	TCC						Via:	Via:	accredited laborator					
Turn-Around	Standard	Project Name:	72112	Project #:	220	Project Manager:	row	Sampler: <	olers	Cooler Temp(including CF):	Container Type and #	4 OZ	206						Received by:	Received by:	contracted to other a					
Chain-of-Custody Record	EOG/ VENECT		ON FIU				□ Level 4 (Full Validation)	□ Az Compliance □ Other			Matrix Sample Name	5017 21552-36 2'	• 1						Relinquished by:	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 on the analytical report.					
hain-	EUG		Mailing Address:		4	Fax#:	ackage: Jard				Time	630 10:00 5017	10:05						Time:	Time: F	necessary, s					
ပ	Client:		Mailing		Phone #:	email or Fax#:	QA/QC Package:	Accreditation:	🗆 EDD (Type)		Date	6/30	6130						Date:	$\mathcal{U}(\mathcal{O})$						



July 18, 2022

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

OrderNo.: 2207186

Hall Environmental Analysis Laboratory

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

Website: www.hallenvironmental.com

4901 Hawkins NE

Albuquerque, NM 87109

RE: Julie 2 Battery

Dear Monica Peppin:

Hall Environmental Analysis Laboratory received 7 sample(s) on 7/7/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

andy

Andy Freeman Laboratory Manager 4901 Hawkins NE Albuquerque, NM 87109

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207186

Date Reported: 7/18/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-01 4' Collection Date: 7/1/2022 10:00:00 AM Received Date: 7/7/2022 7:45:00 AM

Lab ID: 2207186-001	Matrix: SOIL	Rece	22 7:45:00 AM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 7:12:48 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/8/2022 7:12:48 PM
Surr: DNOP	87.0	51.1-141	%Rec	1	7/8/2022 7:12:48 PM
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 10:48:00 PM
Surr: BFB	90.4	37.7-212	%Rec	1	7/8/2022 10:48:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	7/8/2022 10:48:00 PM
Toluene	ND	0.049	mg/Kg	1	7/8/2022 10:48:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 10:48:00 PM
Xylenes, Total	ND	0.098	mg/Kg	1	7/8/2022 10:48:00 PM
Surr: 4-Bromofluorobenzene	82.9	70-130	%Rec	1	7/8/2022 10:48:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	340	60	mg/Kg	20	7/13/2022 2:56:48 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 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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Lab ID:

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

2207186-002

Analytical Report Lab Order 2207186

Date Reported: 7/18/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-03 4' Collection Date: 7/1/2022 10:05:00 AM Received Date: 7/7/2022 7:45:00 AM

240 120 220,100 002									
Analyses	Result	RL Q	ual Units	DF	Date Analyzed				
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB				
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 7:27:04 PM				
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 7:27:04 PM				
Surr: DNOP	81.0	51.1-141	%Rec	1	7/8/2022 7:27:04 PM				
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA				
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 11:08:00 PM				
Surr: BFB	87.2	37.7-212	%Rec	1	7/8/2022 11:08:00 PM				
EPA METHOD 8021B: VOLATILES					Analyst: RAA				
Benzene	ND	0.024	mg/Kg	1	7/8/2022 11:08:00 PM				
Toluene	ND	0.049	mg/Kg	1	7/8/2022 11:08:00 PM				
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 11:08:00 PM				
Xylenes, Total	ND	0.097	mg/Kg	1	7/8/2022 11:08:00 PM				
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	7/8/2022 11:08:00 PM				
EPA METHOD 300.0: ANIONS					Analyst: JTT				
Chloride	340	60	mg/Kg	20	7/13/2022 3:34:01 PM				

Matrix: SOIL

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

**Qualifiers:** 

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

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

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**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207186

Date Reported: 7/18/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-04 6' Collection Date: 7/1/2022 10:10:00 AM Received Date: 7/7/2022 7:45:00 AM

Lab ID: 2207186-003	Matrix: SOIL	Rece	eived Date:	7/7/20	022 7:45:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 7:41:26 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/8/2022 7:41:26 PM
Surr: DNOP	86.1	51.1-141	%Rec	1	7/8/2022 7:41:26 PM
EPA METHOD 8015D: GASOLINE RANGI	E				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/8/2022 11:27:00 PM
Surr: BFB	92.3	37.7-212	%Rec	1	7/8/2022 11:27:00 PM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	7/8/2022 11:27:00 PM
Toluene	ND	0.049	mg/Kg	1	7/8/2022 11:27:00 PM
Ethylbenzene	ND	0.049	mg/Kg	1	7/8/2022 11:27:00 PM
Xylenes, Total	ND	0.099	mg/Kg	1	7/8/2022 11:27:00 PM
Surr: 4-Bromofluorobenzene	85.0	70-130	%Rec	1	7/8/2022 11:27:00 PM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	74	60	mg/Kg	20	7/13/2022 3:46:25 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 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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**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207186

Date Reported: 7/18/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-05 6' Collection Date: 7/1/2022 10:15:00 AM Received Date: 7/7/2022 7:45:00 AM

Lab ID: 2207186-004	Matrix: SOIL	Rece	22 7:45:00 AM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANGE	ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 7:55:41 PM
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/8/2022 7:55:41 PM
Surr: DNOP	83.9	51.1-141	%Rec	1	7/8/2022 7:55:41 PM
EPA METHOD 8015D: GASOLINE RANG	E				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/9/2022 12:07:00 AM
Surr: BFB	89.0	37.7-212	%Rec	1	7/9/2022 12:07:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 12:07:00 AM
Toluene	ND	0.048	mg/Kg	1	7/9/2022 12:07:00 AM
Ethylbenzene	ND	0.048	mg/Kg	1	7/9/2022 12:07:00 AM
Xylenes, Total	ND	0.097	mg/Kg	1	7/9/2022 12:07:00 AM
Surr: 4-Bromofluorobenzene	83.9	70-130	%Rec	1	7/9/2022 12:07:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	84	60	mg/Kg	20	7/13/2022 4:23:39 PM

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

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 Sample Diluted Due to 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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**Project:** Julie 2 Battery

**CLIENT:** Vertex Resources Services, Inc.

Analytical Report Lab Order 2207186

Date Reported: 7/18/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-06 6' Collection Date: 7/1/2022 10:20:00 AM Received Date: 7/7/2022 7:45:00 AM

Lab ID: 2207186-005	Matrix: SOIL	Rece	22 7:45:00 AM		
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	E ORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	15	mg/Kg	1	7/8/2022 8:09:43 PM
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/8/2022 8:09:43 PM
Surr: DNOP	101	51.1-141	%Rec	1	7/8/2022 8:09:43 PM
EPA METHOD 8015D: GASOLINE RANG	GE				Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/9/2022 12:27:00 AM
Surr: BFB	89.8	37.7-212	%Rec	1	7/9/2022 12:27:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.025	mg/Kg	1	7/9/2022 12:27:00 AM
Toluene	ND	0.050	mg/Kg	1	7/9/2022 12:27:00 AM
Ethylbenzene	ND	0.050	mg/Kg	1	7/9/2022 12:27:00 AM
Xylenes, Total	ND	0.10	mg/Kg	1	7/9/2022 12:27:00 AM
Surr: 4-Bromofluorobenzene	83.0	70-130	%Rec	1	7/9/2022 12:27:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	7/13/2022 4:36:04 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

- 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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H Holding times for preparation or analysis exceeded

**CLIENT:** Vertex Resources Services, Inc.

Julie 2 Battery

Analytical Report Lab Order 2207186

Date Reported: 7/18/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BES22-07 6' Collection Date: 7/1/2022 10:25:00 AM Received Date: 7/7/2022 7:45:00 AM

Lab ID: 2207186-006	Matrix: SOIL	Rece	ived Date:	7/7/20	22 7:45:00 AM
Analyses	Result	RL Qu	al Units	DF	Date Analyzed
EPA METHOD 8015M/D: DIESEL RANG	EORGANICS				Analyst: SB
Diesel Range Organics (DRO)	ND	14	mg/Kg	1	7/8/2022 8:23:59 PM
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/8/2022 8:23:59 PM
Surr: DNOP	75.9	51.1-141	%Rec	1	7/8/2022 8:23:59 PM
EPA METHOD 8015D: GASOLINE RANG	ε				Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/9/2022 12:47:00 AM
Surr: BFB	87.5	37.7-212	%Rec	1	7/9/2022 12:47:00 AM
EPA METHOD 8021B: VOLATILES					Analyst: RAA
Benzene	ND	0.024	mg/Kg	1	7/9/2022 12:47:00 AM
Toluene	ND	0.049	mg/Kg	1	7/9/2022 12:47:00 AM
Ethylbenzene	ND	0.049	mg/Kg	1	7/9/2022 12:47:00 AM
Xylenes, Total	ND	0.097	mg/Kg	1	7/9/2022 12:47:00 AM
Surr: 4-Bromofluorobenzene	84.3	70-130	%Rec	1	7/9/2022 12:47:00 AM
EPA METHOD 300.0: ANIONS					Analyst: JTT
Chloride	ND	60	mg/Kg	20	7/13/2022 5:38:05 PM

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

**Qualifiers:** 

Value exceeds Maximum Contaminant Level.
 D Sample Diluted Due to 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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**EPA METHOD 300.0: ANIONS** 

Chloride

Analytical Report Lab Order 2207186

Date Reported: 7/18/2022

#### Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** Vertex Resources Services, Inc. Client Sample ID: BES22-08 6' **Project:** Julie 2 Battery Collection Date: 7/1/2022 10:30:00 AM Lab ID: 2207186-007 Matrix: SOIL Received Date: 7/7/2022 7:45:00 AM Result **RL** Qual Units DF **Date Analyzed** Analyses **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 15 mg/Kg 1 7/8/2022 8:38:02 PM Motor Oil Range Organics (MRO) 7/8/2022 8:38:02 PM ND 50 mg/Kg 1 Surr: DNOP 95.9 51.1-141 %Rec 1 7/8/2022 8:38:02 PM **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 7/9/2022 1:06:00 AM 4.8 mg/Kg 1 Surr: BFB 89.4 37.7-212 %Rec 1 7/9/2022 1:06:00 AM **EPA METHOD 8021B: VOLATILES** Analyst: RAA Benzene ND 0.024 7/9/2022 1:06:00 AM mg/Kg 1 Toluene ND 0.048 mg/Kg 1 7/9/2022 1:06:00 AM Ethylbenzene ND 0.048 mg/Kg 1 7/9/2022 1:06:00 AM Xylenes, Total ND 0.095 mg/Kg 1 7/9/2022 1:06:00 AM Surr: 4-Bromofluorobenzene 82.5 70-130 %Rec 1 7/9/2022 1:06:00 AM

ND

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

**Qualifiers:** 

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

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

mg/Kg

20

60

P Sample pH Not In Range

RL Reporting Limit

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Analyst: JTT

7/13/2022 5:50:29 PM

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

Client: Project:		Resources Services, Inc. Battery			
Sample ID:	MB-68732	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID:	PBS	Batch ID: 68732	RunNo: 89473		
Prep Date:	7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3183568	Units: mg/Kg	
Analyte Chloride		Result PQL SPK valu ND 1.5	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Sample ID:	LCS-68732	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID:	LCSS	Batch ID: 68732	RunNo: 89473		
Prep Date:	7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3183569	Units: <b>mg/Kg</b>	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		14 1.5 15.0	0 92.6 90	110	
Sample ID:	MB-68737	SampType: mblk	TestCode: EPA Method	300.0: Anions	
Client ID:	PBS	Batch ID: 68737	RunNo: 89473		
Prep Date:	7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3183598	Units: <b>mg/Kg</b>	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		ND 1.5			
Sample ID:	LCS-68737	SampType: Ics	TestCode: EPA Method	300.0: Anions	
Client ID:	LCSS	Batch ID: 68737	RunNo: 89473		
Prep Date:	7/12/2022	Analysis Date: 7/13/2022	SeqNo: 3183599	Units: <b>mg/Kg</b>	
Analyte		Result PQL SPK valu	e SPK Ref Val %REC LowLimit	HighLimit %RPD	RPDLimit Qual
Chloride		14 1.5 15.0	0 93.0 90	110	

Qualifiers:

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

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2207186

18-Jul-22

WO#:

Client: Vertex R Project: Julie 2 B	esources S attery	ervices,	Inc.							
Sample ID: <b>MB-68628</b>		Гуре: <b>МЕ</b>					8015M/D: Die	sel Range	Organics	
Client ID: PBS	Batch ID: 68628				RunNo: <b>8</b> 9					
Prep Date: 7/7/2022	Analysis E	Date: 7/8	8/2022	c c	SeqNo: 31	79983	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	9.8		10.00		98.3	51.1	141			
Sample ID: LCS-68628	SampT	Type: LC	s	Tes	tCode: EF	PA Method	8015M/D: Die	sel Range	Organics	
Client ID: LCSS	Batcl	h ID: 686	528	F	RunNo: <b>8</b> 9	385				
Prep Date: 7/7/2022	Analysis E	Date: 7/8	3/2022	Ś	SeqNo: 31	79985	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	89.9	64.4	127			
Surr: DNOP	4.8		5.000		96.4	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

2207186

18-Jul-22

WO#:

# QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	Resources S Battery	ervices,	Inc.							
Sample ID: Ics-68623	SampT	ype: LC	s	Tes	tCode: EF	PA Method	8015D: Gaso	ine Range		
Client ID: LCSS	Batch	n ID: 686	623	F	RunNo: <b>8</b> 9	9348				
Prep Date: 7/7/2022	Analysis Date: 7/8/2022			S	SeqNo: 31	178144	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	99.0	72.3	137			
Surr: BFB	2000		1000		199	37.7	212			
Sample ID: mb-68623	SampT	уре: МЕ	BLK	Tes	tCode: EF	PA Method	8015D: Gaso	ine Range		
Client ID: PBS	Batch	n ID: 686	623	F	RunNo: <b>8</b> 9	9348				
Prep Date: 7/7/2022	Analysis D	Date: 7/8	8/2022	S	SeqNo: 31	178145	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	910		1000		91.1	37.7	212			

Qualifiers:

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

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2207186

18-Jul-22

WO#:

## QC SUMMARY REPORT Hall Environmental Analysis Laboratory, Inc.

	tex Resources S e 2 Battery	ervices,	Inc.									
Sample ID: Ics-68623	Samp	Гуре: <b>LC</b>	s	Tes	tCode: EF	PA Method	8021B: Volati	les				
Client ID: LCSS	Batc	h ID: 686	523	RunNo: 89348								
Prep Date: 7/7/2022	Analysis [	Date: 7/8	8/2022	5	SeqNo: 31	78205	Units: mg/K	g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Benzene	0.87	0.025	1.000	0	87.0	80	120					
Toluene	0.88	0.050	1.000	0	88.3	80	120					
Ethylbenzene	0.88	0.050	1.000	0	88.0	80	120					
Kylenes, Total	2.6	0.10	3.000	0	86.9	80	120					
Surr: 4-Bromofluorobenzene	0.87		1.000		87.4	70	130					
Sample ID: mb-68623	Samp	Гуре: МВ	BLK	Tes	tCode: EF	PA Method	8021B: Volati	les				
Client ID: PBS	Batc	h ID: 686	523	F	RunNo: <b>8</b> 9	348						
Prep Date: 7/7/2022	Analysis [	Date: 7/8	8/2022	S	SeqNo: 31	78206	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										
Kylenes, Total	ND	0.10										
Surr: 4-Bromofluorobenzene	0.87		1.000		86.7	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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WO#: 2207186 18-Jul-22

ENVIRON	IMENTAL S	Hall Environmenta Alt TEL: 505-345-397 Website: www.h	4901 Hawki buquerque, NM 5 FAX: 505-345	ins NE 87109 Sar 5-4107	Page 12
	ertex Resources ervices, Inc.	Work Order Numbe	r: 2207186		RcptNo: 1
Received By: J	uan Rojas	7/7/2022 7:45:00 AM		Guarsa g	
Completed By: C	heyenne Cason 7-7-22	7/7/2022 7:48:55 AM		Gene	
Chain of Custoc	ly				
1. Is Chain of Custo	dy complete?		Yes 🗹	No 🗌	Not Present
2. How was the same	ple delivered?		Courier		
<u>Log In</u> 3. Was an attempt n	nade 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 prop	er container(s)?		Yes 🗹	No 🗌	
6. Sufficient sample	volume for indicated test(s	5)?	Yes 🗹	No 🗌	
7. Are samples (exce	pt VOA and ONG) proper	ly preserved?	Yes 🔽	No 🗌	
8. Was preservative	added to bottles?		Yes	No 🔽	NA 🗌
9. Received at least	1 vial with headspace <1/4	I" for AQ VOA?	Yes	No 🗌	NA 🗹
10. Were any sample	containers received broke	en?	Yes	No 🗹	# of preserved
11. Does paperwork m (Note discrepancie	natch bottle labels? s on chain of custody)		Yes 🗹	No 🗌	bottles checked for pH: (<2 or >12 unless noted)
	ctly identified on Chain of	Custody?	Yes 🖌	No 🗌	Adjusted?
13. Is it clear what ana			Yes 🗹	No 🗌	
14. Were all holding tir (If no, notify custor	mes able to be met? ner for authorization.)		Yes 🗹	No 🗌	Checked by: JN 7 7 7 22
Special Handling	(if applicable)				C.
15. Was client notified	of all discrepancies with	this order?	Yes	No 🗌	NA 🗹
Person Notif	fied:	Date:			
By Whom:	J	Via:	eMail 🗌 F	Phone 🗌 Fax	In Person
Regarding:					
Client Instru	ctions:				
16. Additional remark	S:				
17. <u>Cooler Informati</u> Cooler No T	Contract and the second second	eal Intact Seal No S	eal Date	Signed By	
1 0.4	Good Not	Present		5	

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Received by OCD: 9/8/2022	5:58 AM	Page 123 of 1
<ul> <li>HALL ENVIRONMENTAL</li> <li>HALL ENVIRONMENTAL</li> <li>ANALYSIS LABORATORY</li> <li>www.hallenvironmental.com</li> <li>Hawkins NE - Albuquerque, NM 87109</li> <li>Tel. 505-345-3975 Fax 505-345-4107</li> </ul>	EDB (Method 504.1)         EDB (Method 504.1)         RCRA 8 Metals         RCRA 1003, NO2, PO4, SO4         RCRA 1003, NO2, PO4, SO4         RCRA 1000         RCRA 10000         RCRA 1000      <	CC: CHANKE D'XON Direct Bill E09
4901 He Tel. 505	BTEX A MTBE / TMB's (8021)           BTEX A MTBE / TMB's (8021)	
5-Day Rush #Z Battery	PEPPIN Dity-0-1-0.5 (°C) Uty-0-1-0.5 (°C) Uty-0-1-0.5 (°C) Dity Belo Data Data Timo	$\frac{\eta}{ \eta _{12}}$ Date Time Date Time
L Rus	Including CF):	via. Via: LOUNIN S
Turn-Around Time: Candard Project Name: アレルビーオ	Project Manager: Project Manager: Sampler: $2D$ On Ice: $1$ 2 Cooler Temp(includi Type and # Type Container Pres Type and # Type	Received by:
Chain-of-Custody Record t: EOG/VE/LECE g Address: an デブビ	i: a: a: b: Az Compliance compliance	
Client: Client: Mailing Address: <i>E03.</i> <i>Ulu</i>	email or Fax#: QA/QC Package: Data Accreditation: Date Time I Date Time I 10.20 10.20 Date: Time: Time: Date Time I	<b>t</b>

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

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

District III

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

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

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

CONDITIONS

Operator:	OGRID:		
EOG RESOURCES INC	7377		
P.O. Box 2267	Action Number:		
Midland, TX 79702	141497		
	Action Type:		
	[C-141] Release Corrective Action (C-141)		
CONDITIONS			

Created By Condition Condition Date 10/11/2022 amaxwell None

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Action 141497