District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

Incident ID	nAPP2115336154
District RP	
Facility ID	
Application ID	

# **Release Notification**

### **Responsible Party**

· ·		OGRID 73	377			
Contact Name Chase Settle			Contact Te	elephone 575-748-1471		
Contact email Chase_Settle@eogresources.com		Incident #	(assigned by OCD) nAPP2115336154			
Contact mailing address 104 S. 4th Street, Artesia, NM 882						
			Location			ource
Latitude 32	.83176		(NAD 83 in de	ecimal de	Longitude _ grees to 5 decin	-104.45575 mal places)
Site Name Ja	ackson A	T Batterv			Site Type	Battery
Date Release	Discovered	05/27/2021			API# (if app	
		_		1		
Unit Letter	Section	Township	Range		Coun	<u>ity</u>
J	14	17S	25E	Eddy	у	
Surface Owne	er: State	Federal T	ribal 🛭 Private (	(Name:	Sharbro	Energy and Yates Industries
			Nature an	d Vol	lume of I	Release
	Materia	al(s) Released (Select a	ll that apply and attacl	h calculat	ions or specific	e justification for the volumes provided below)
Crude Oi		Volume Release	ed (bbls) Unkno	wn	•	Volume Recovered (bbls) 0
Produced	Water	Volume Release	ed (bbls)			Volume Recovered (bbls)
Is the concentration of dissolved chloride in produced water >10,000 mg/l?		e in the	☐ Yes ☐ No			
Condensa	Condensate Volume Released (bbls)			Volume Recovered (bbls)		
☐ Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)			
Other (describe) Volume/Weight Released (provide units)		)	Volume/Weight Recovered (provide units)			
Cause of Rel	<sup>lease</sup> Histor unkno	 rical impacts dis own.	scovered during	g the f	P&A of the	e battery. Release volume and date are

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Page 2 Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?	If YES, for what reason(s) does the respon	sible party consider this a major release?
☐ Yes ☑ No		
If YES, was immediate no	otice given to the OCD? By whom? To wh	om? When and by what means (phone, email, etc)?
	Initial Ro	esponse
The responsible	party must undertake the following actions immediatel	y unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.	
☑ The impacted area ha	s been secured to protect human health and	the environment.
Released materials ha	we been contained via the use of berms or d	ikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and	l managed appropriately.
If all the actions described	d above have <u>not</u> been undertaken, explain v	vhy:
has begun, please attach	a narrative of actions to date. If remedial	emediation immediately after discovery of a release. If remediation efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Chase	Settle	Title: Rep Safety & Environmental Sr
Signature: Than C	o Vettlo	Date: 6/2/2021
	@eogresources.com	Telephone: 575-748-1471
OCD Only		
Received by:		Date:

Incident ID	nAPP2115336154

Incident ID	nAPP2115336154
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Facility ID	
Application ID	

### Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)		
Did this release impact groundwater or surface water?	☐ Yes ☑ No		
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No		
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No		
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No		
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No		
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No		
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No		
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No		
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No		
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No		
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No		
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	✓ Yes ☐ No		
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.			
Characterization Report Checklist: Each of the following items must be included in the report.			
Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.  Field data  Data table of soil contaminant concentration data  Depth to water determination  Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release  Boring or excavation logs  Photographs including date and GIS information  Topographic/Aerial maps  Laboratory data including chain of custody			

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

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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. \_\_\_\_\_ <sub>Title:</sub> Rep Safety & Environmental Sr Printed Name: Chase Settle Signature: Chase Settle Date: 11/29/2021 Telephone: 575-748-1471 email: Chase\_Settle@eogresources.com **OCD Only** Received by: Date:

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Incident ID	nAPP2115336154	
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# **Remediation Plan**

Remediation Plan Checklist: Each of the following items must b	e included in the plan.	
<ul> <li>☑ Detailed description of proposed remediation technique</li> <li>☑ Scaled sitemap with GPS coordinates showing delineation points</li> <li>☑ Estimated volume of material to be remediated</li> <li>☑ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC</li> <li>☑ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)</li> </ul>		
Deferral Requests Only: Each of the following items must be con	nfirmed as part of any request for deferral of remediation.	
Contamination must be in areas immediately under or around p deconstruction.	roduction equipment where remediation could cause a major facility	
Extents of contamination must be fully delineated.		
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.		
Printed Name: Chase Settle	Title: Rep Safety & Environmental Sr	
Signature: Chase Settle	Date: 11/29/2021	
email: Chase_Settle@eogresources.com	Telephone: <u>575-748-1471</u>	
OCD Only		
Received by:Jennifer Nobui	Date: 01/18/2022	
☐ Approved with Attached Conditions of	Approval Denied Deferral Approved	
Signature: Jennifer Nobui	Date: 01/18/2022	

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Incident ID nAPP2115336154

District RP
Facility ID
Application ID

## Closure

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

Closure Report Attachment C	hecklist: Each of the follow	ing items must be included in the closure report.
✓ A scaled site and sampling diagram as described in 19.15.29.11 NMAC		
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)		
☐ Laboratory analyses of final	sampling (Note: appropriate	ODC District office must be notified 2 days prior to final sampling)
Description of remediation	activities	
and regulations all operators are remay endanger public health or the should their operations have faile human health or the environment compliance with any other federa restore, reclaim, and re-vegetate the accordance with 19.15.29.13 NM	required to report and/or file content of the environment. The acceptance of the adequately investigate and addition, OCD acceptance of the impacted surface area to the AC including notification to the environment.	emplete to the best of my knowledge and understand that pursuant to OCD rules certain release notifications and perform corrective actions for releases which ce of a C-141 report by the OCD does not relieve the operator of liability and remediate contamination that pose a threat to groundwater, surface water, see of a C-141 report does not relieve the operator of responsibility for egulations. The responsible party acknowledges they must substantially the conditions that existed prior to the release or their final land use in the OCD when reclamation and re-vegetation are complete.
Printed Name: Chase Settle		Title: Rep Safety & Environmental Sr
Signature: <u>Chase Sett</u>		Date: 04/26/2022
<sub>email:</sub> Chase_Settle@eogre		
0.00		
OCD Only		
Received by:		Date:
	es a threat to groundwater, sur	party of liability should their operations have failed to adequately investigate and face water, human health, or the environment nor does not relieve the responsible and/or regulations.
Closure Approved by:	unifer Nobui	Date: _05/19/2022
Printed Name: Jennifer No	bui	Title: Environmental Specialist A

2135 S. Loop 250 W, Midland, Texas 79703 United States www.ghd.com



GHD Reference #: 11229324

April 26, 2022

New Mexico Oil Conservation Division District 2 811 South First Street Artesia. New Mexico 88210

Re: Site Closure Report
Jackson AT Battery Release Site
EOG Resources Inc.
Incident ID: nAPP2115336154

J-14-17S-25E, Eddy County, New Mexico

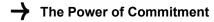
#### 1. Introduction

GHD Services Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Closure Report to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, analysis, and remedial activities to date in the affected area at the EOG Jackson AT Battery Release Site (Site). The Site is located at Unit Letter J, Section 14, Township 17 South, Range 25 East in Eddy County, New Mexico. The GPS coordinates for the tank battery where the release occurred are 32.83176 N latitude and 104.45575 W longitude. The release occurred on private surface owned by Sharbro Energy and Yates Industries. The site location is depicted on Figure 1, Site Location Map. The EOG production facility and other Site details are depicted on Figures 2 and 3.

## 2. Background Information

A C-141 report for this release was submitted to the NMOCD on June 2, 2021. The C-141 stated that no known volume or date could be assigned to this historical release. Historical impacts were discovered during EOG well plugging and equipment removal associated with this location. Soils within the former battery area appeared to be discolored and after discussions between field personnel and environmental staff, EOG made the decision to file a C-141 for this suspected release location.

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAPP2115336154. A Site Characterization and Remediation Work Plan dated November 29, 2021 was submitted to the NMOCD for approval. The work plan was approved by the NMOCD on January 18, 2022. The Release Notification, Site Assessment/Characterization, Remediation Plan and Closure portions of Form C-141 are attached to the front of this report.



#### 3. Groundwater and Site Characterization

GHD characterized the Site according to Table 1, Closure Criteria for Soils Impacted by a Release, from New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area of low karst potential. One water well was located within a 0.5-mile radius of the Site; the water well located approximately 0.30 miles from the site, has a recorded GW depth of 187 feet. No other receptors (playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area with depth to groundwater greater than one hundred (100) feet and meets the closure criteria for depth to groundwater greater than one hundred (100) feet in Table 1 in NMAC 19.15.29.12. The Site characterization documentation (Well Log, Karst Potential, FEMA, Points of Diversion, Significant Water Course, and Wetlands maps) are provided in Attachment A, Site Characterization boundaries within an area listed below:

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (feet)
No Receptors Found	>100'

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Constituent	Limits
Chloride	20,000 mg/kg
TPH (GRO+DRO+MRO)	2,500 mg/kg
TPH (GRO+DRO)	1,000 mg/kg
Benzene	10 mg/kg
BTEX	50 mg/kg

# 4. Initial Soil Delineation Assessment Summary and Findings

Between June 23-25, 2021, an EOG representative installed 18 test pits, TP1 through TP18, within and around the suspected impacted area. The test pit locations were excavated to depths ranging from the surface to 20 feet below ground surface. Soil samples were collected from varying depths of the test pits and field screened for chloride and hydrocarbon concentrations. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

Analytical results indicated TPH concentrations above 2,500 mg/kg at the TP1 location at four (4) feet below ground surface (TP1-4). None of the other samples collected exhibited benzene, BTEX, TPH, or chloride concentrations above Table 1 Closure Criteria.

Figure 2, Site Assessment and Proposed Excavation Area, depicts the locations of the initial delineation samples and analytical concentrations. Analytical results are provided in Table 1, on Figure 2, and in the Laboratory Analytical Reports provided in Attachment B.

## 5. Excavation, Waste Management and Confirmation Sampling

After NMOCD Remediation Plan approval, GHD and Standard Safety and Supply (SS) mobilized to the site on January 31, 2022, to excavate the affected soils. Excavation activities continued through March 10, 2022, and the extents were modified based off ongoing analytical sample results (discussed below). The area containing affected soil was excavated to depths ranging from approximately four (4) to ten (10) feet below ground surface. As shown in Figure 3, a total of thirty-eight (38) sidewall composite and one hundred eighty-one (181) bottom hole composite confirmation samples were collected. Samples BH-1 through BH-170 were collected at a depth of approximately four (4) feet below grade, as areas which analytical results exceeded Table I closure criteria were excavated further and re-sampled. Samples BH-14A, BH-17A, BH-20A, BH-21A, and BH-23A were collected at a depth of approximately four and one half (4.5) feet below grade, and BH-100A was collected at a depth of approximately five (5) feet below grade. Samples BH-171 through BH-175 were collected at a depth of ten (10) feet below grade. Areas where sidewall composite samples (SW-1 through SW-31) exhibited concentrations exceeding Table I closure criteria were excavated further and resampled. The two hundred nineteen (219) confirmation samples were taken to HEAL in Albuquerque, New Mexico. All samples were analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. All confirmation samples collected represented areas no greater than two hundred (200) square feet. Laboratory Analytical Reports and Chain-of-Custody Documentation are provided in Attachment B. Analytical results are summarized in Table 1 and on attached Figure 3.

Analytical results indicated six (6) of the one hundred seventy-five (175) bottom hole confirmation samples exhibited exceedances above Table I closure criteria for groundwater greater than one hundred (100) feet (BH-14, BH-17, BH-20, BH-21, BH-23, and BH-100, collected from four feet below grade). Analytical results indicated four (4) of the thirty-one (31) sidewall composite samples exhibited exceedances above 19.15.29.13 Table I closure criteria (SW-4, SW-6, SW-7, and SW-21). All areas with samples exhibiting exceedances above appropriate Table I closure criteria were excavated further and resampled. All final confirmation samples exhibited benzene, BTEX, TPH and chloride concentration below appropriate Table I closure criteria.

Waste Management activities were performed in coordination with EOG directives. EOG obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (WM-1-035), Lea Land, LLC facility located at MM64, Highway 62/180 East, Carlsbad, NM, 88220. Approximately 6,924.87 tons of impacted soil were disposed at Lea Land, LLC, the waste manifests from February 1, 2022, through March 30, 2022, are available upon request and aren't included in this report due to size of the file. A Daily Disposal Summary is provided as Table 2.

# 6. nAPP2115336154 Closure Request

Site characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidance and regulations. Based upon supporting documentation provided in this report, GHD, on behalf of EOG, respectfully requests closure and no further regulatory actions for nAPP2115336154.

If you have any questions or comments concerning this Site Closure Report, please do not hesitate to contact our Midland office at (432) 686-0086.

Sincerely,

**GHD** 

Becky Haskell

Senior Project Manager

Tom Larson. Project Director

Thomas Clayon

NR/bh/1

Encl. Figure 1 – Site Location Map

Rebecca Haskell

Figure 2 – Initial Site Assessment: Analytical Results Map

Figure 3 – Confirmation Sampling: Soil Analytical Results Map

Table 1 – Summary of Soil Analytical Data

Table 2 - Daily Disposal Summary

Attachment A – Site Characterization Documentation

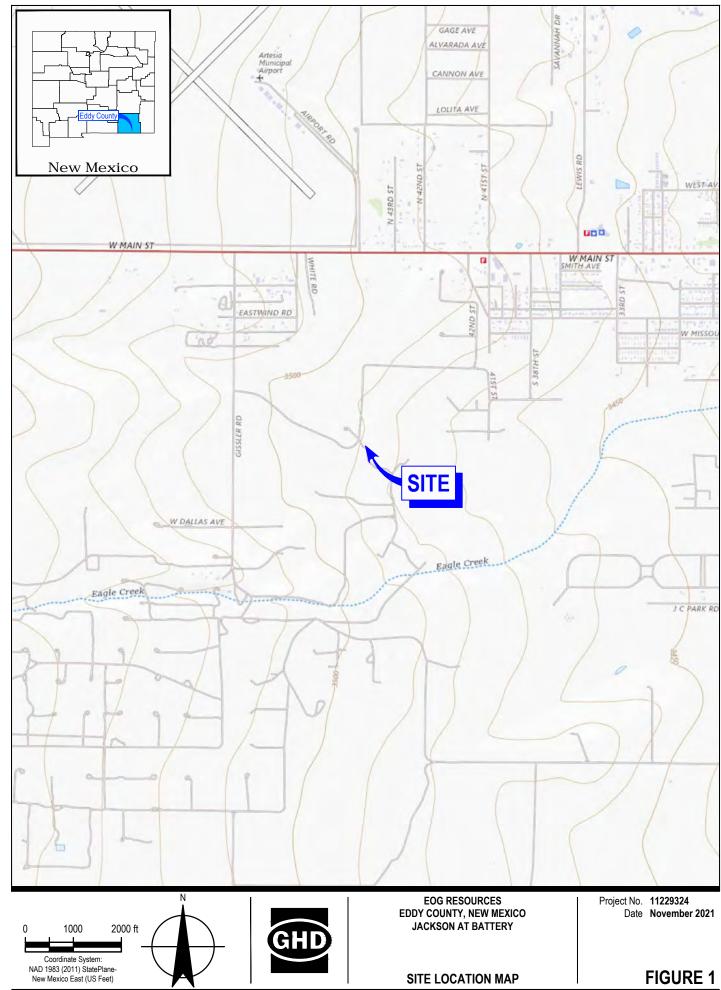
Attachment B - Photographic Log

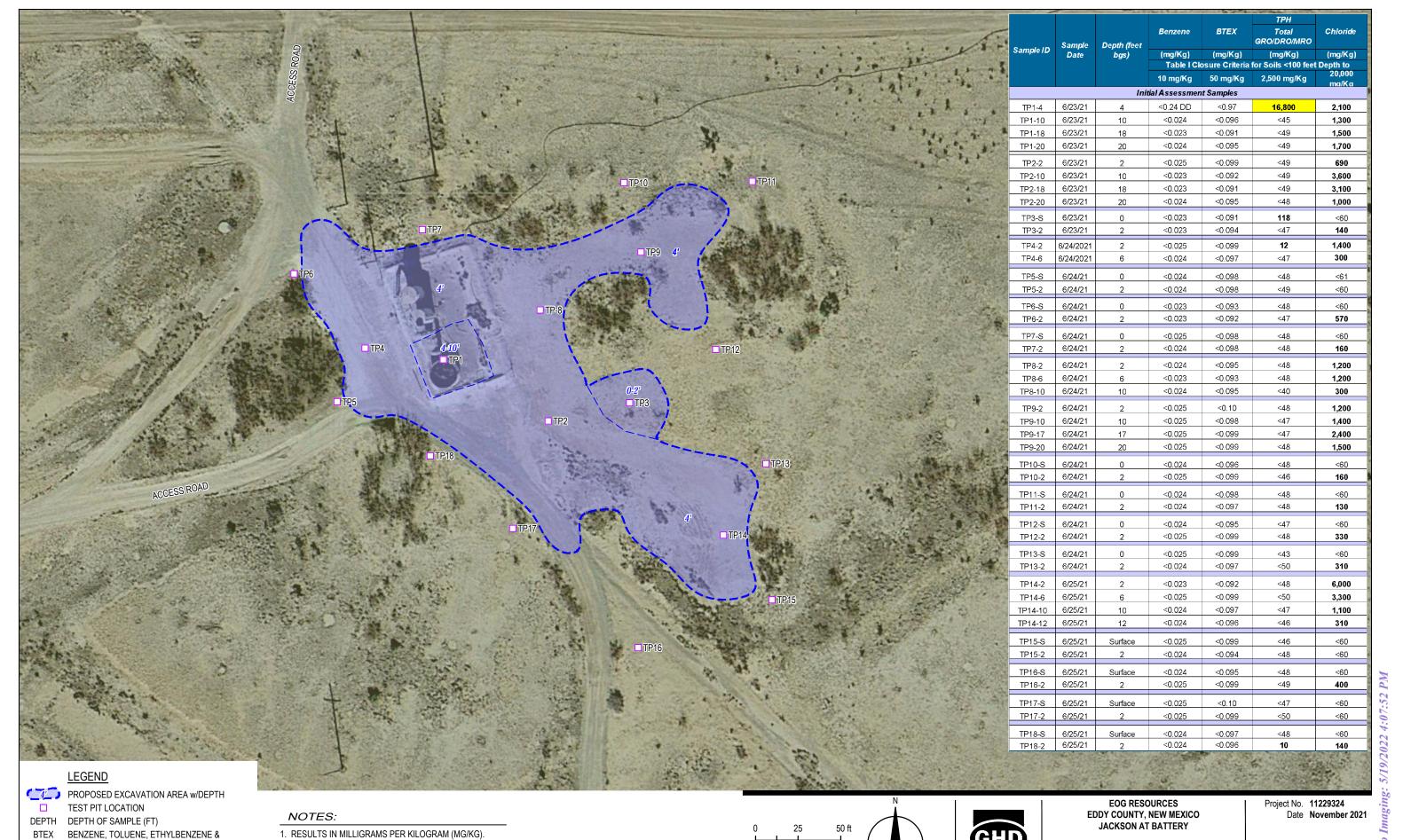
Attachment C - Confirmation Sampling Notifications

Attachment D – Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: Chase Settle

Figures





NAD 1983 (2011) StatePlane-

SITE ASSESSMENT AND

PROPOSED EXCAVATION AREA

Filename: \lghdnet(ghd\US\Midland\Projects\562\t11229324\Digital\_Design\ACAD\Figures\RPT001\\11229324-GHD-0000-RPT-EN-0101\_DL-001.dwg
Plot Date: 18 November 2021 1:46 PM

2. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.

3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.

XYLENES CONCENTRATION (MG/KG)

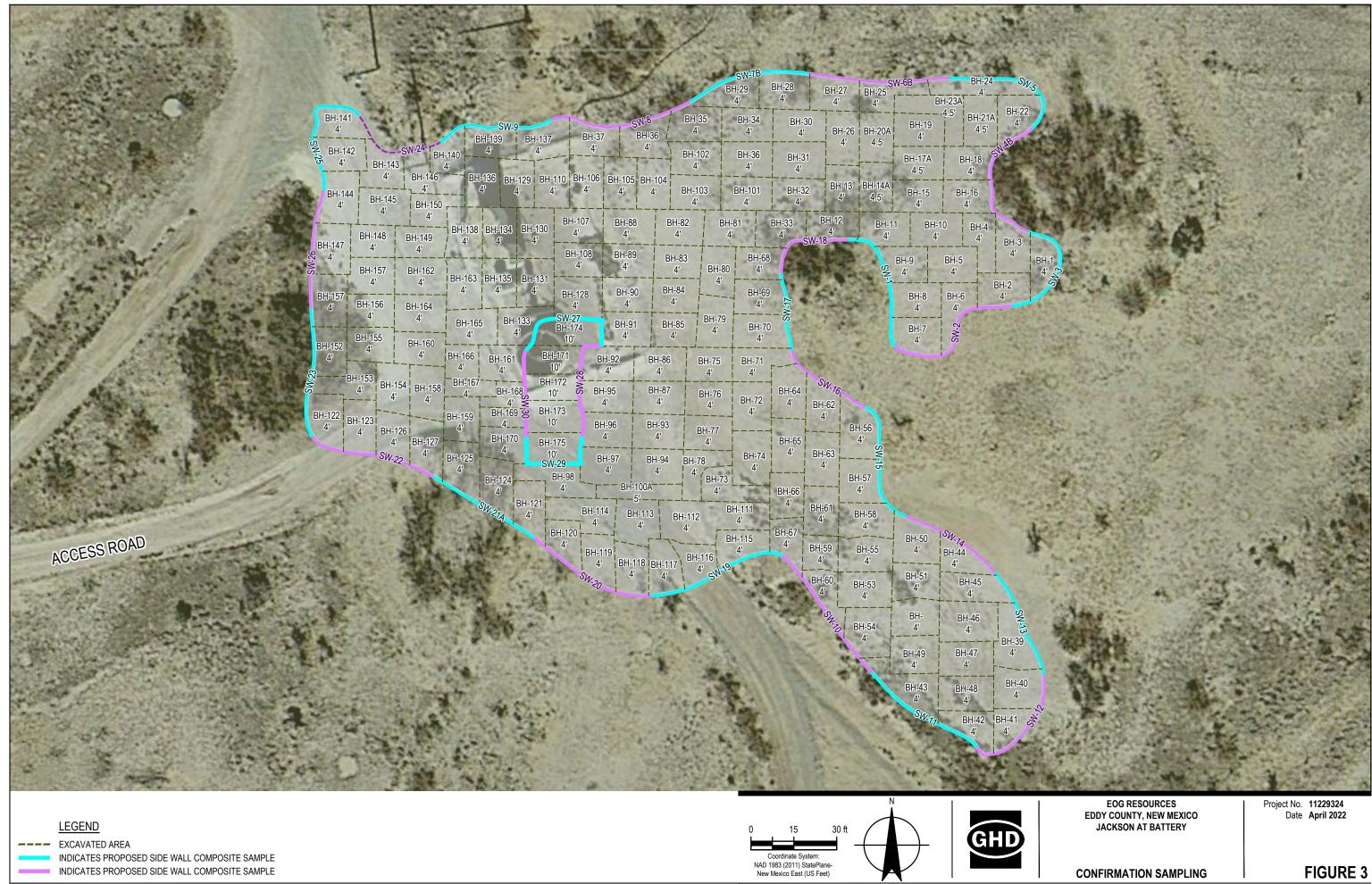
TOTAL PETROLEUM HYDROCARBONS

CONCENTRATION (MG/KG)

Data Source: Image © 2021 Google - Imagery Date: December 29, 2019 Lat/Long: 32.831603° North, 104.455555° West

FIGURE 2

Received by OCD: 4/26/2022 2:59:09 PM



Tables

					Jacks EO	Table 1 f Soil Analytica son AT Battery G Resources unty, New Mex						
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX		DRO(C10-	Hydrocarbons ( MRO (C28-	(TPH) Total	Chloride
Sample ID	Sample	Depth			,			GRO(C6-C10)	C28)	C35)	GRO/DRO/MRO	
Gampie 15	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg) Table I Closure C	(mg/kg)	(mg/kg) >100 feet Der	(mg/kg)	(mg/kg) ter 19.15.29 NM	(mg/kg)	(mg/kg)	(mg/kg)
			10 mg/kg				50 mg/kg	1,000 mg/kg			2,500 mg/kg	20,000 mg/k
		ı		ı	Initial Ass	sessment Sam				ı		ı
TP1-4	6/23/21	4	<0.24 DD	<0.48 DD	<0.48 DD	<0.97 DD	<0.97	<48 DD	11,000	5,800	16,800	2,100
TP1-10	6/23/21	10	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.0	<45	<45	1,300
TP1-18	6/23/21	18	<0.023	<0.046	<0.046	<0.091	<0.091	<4.6	<9.8	<49	<49	1,500
TP1-20	6/23/21	20	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.8	<49	<49	1,700
TP2-2	6/23/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<49	<49	690
TP2-10	6/23/21	10	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.7	<49	<49	3,600
TP2-18	6/23/21	18	<0.023	<0.046	<0.046	<0.091	<0.091	<4.6	<9.8	<49	<49	3,100
TP2-20	6/23/21	20	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.7	<48	<48	1,000
TP3-S	6/23/21	0	<0.023	<0.046	<0.046	<0.091	<0.091	<4.6	18	100	118	<60
TP3-2	6/23/21	2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.5	<47	<47	140
TP4-2	6/24/2021	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	12	<48	12	1,400
TP4-6	6/24/2021	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.4	<47	<47	300
TP5-S	6/24/21	0	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	<61
TP5-2	6/24/21	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	<60
TP6-S	6/24/21	0	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.5	<48	<48	<60 <b>570</b>
TP6-2	6/24/21	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.3	<47	<47	570
TP7-S	6/24/21	0	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	<60
TP7-2	6/24/21	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	160
TP8-2	6/24/21	2	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.6	<48	<48	1,200
TP8-6	6/24/21	6	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<9.7	<48	<48	1,200
TP8-10	6/24/21	10	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<8.1	<40	<40	300
TP9-2	6/24/21	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	1,200
TP9-10	6/24/21	10	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	1,400
TP9-17	6/24/21	17	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	2,400
TP9-20	6/24/21	20	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	1,500
TP10-S	6/24/21	0	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	<60
TP10-2	6/24/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.3	<46	<46	160

					Jack EO	Table 1 of Soil Analytica son AT Battery G Resources ounty, New Mex						
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO(C6-C10)	DRO(C10- C28)	Hydrocarbons MRO (C28- C35)	(TPH) Total GRO/DRO/MRO	Chloride
Sample ID	Sample Date	Depth (ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	Date	(It bys)	(mg/kg)	(mg/kg)	Table I Closure C						(mg/kg)	(IIIg/Kg/
			10 mg/kg				50 mg/kg	1,000 mg/kg			2,500 mg/kg	20,000 mg/k
TP11-S	6/24/21	0	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<48	<60
TP11-2	6/24/21	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.5	<48	<48	130
TP12-S	6/24/21	0	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<47	<47	<60
TP12-3	6/24/21	2	<0.024	<0.047	<0.047	<0.093	<0.093	<4.7	<9.5 <9.6	<48	<48	330
											-	
TP13-S	6/24/21	0 2	<0.025 <0.024	<0.050	<0.050	<0.099	<0.099	<5.0	<8.7	<43	<43	<60
TP13-2	6/24/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	310
TP14-2	6/25/21	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.7	<48	<48	6,000
TP14-6	6/25/21	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	3,300
TP14-10	6/25/21	10	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.5	<47	<47	1,100
TP14-12	6/25/21	12	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.1	<46	<46	310
TP15-S	6/25/21	Surface	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.2	<46	<46	<60
TP15-2	6/25/21	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	<60
TP16-S	6/25/21	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<48	<48	<60
TP16-2	6/25/21	2	<0.024	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	400
TP17-S	6/25/21	Surface	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<47	<47	<60
TP17-2	6/25/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	<60
TP18-S	6/25/21	Surface	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.5	<48	<48	<60
TP18-2	6/25/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	10	<48	10	140
					Confirmation	Bottomhole S	amples					
BH-1	2/8/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	3,800
BH-2	2/8/22	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<10	<50	<50	2,500
BH-3	2/8/22	4	<0.12	<0.23	<0.23	<0.47	<0.47	<23	170	360	530	4,100
BH-4	2/8/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	23	<50	23	4,400
BH-5	2/8/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	510
BH-6	2/8/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	1,300
BH-7	2/8/22	4	<0.12	<0.23	<0.23	<0.47	<0.47	<23	<9.7	<49	<49	950
BH-8	2/8/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	99	180	279	2,200
BH-9	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	590	1,300	1,890	2,200
BH-10	2/8/22	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	2,400
BH-11	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	350	620	970	4,000
BH-12	2/8/22	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	50	110	160	2,600

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								7.	otal Petroleum	Hydrocarbons (	(TPH)	
	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO(C6-C10)	DRO(C10- C28)	MRO (C28- C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
					Table I Closure C	riteria for Soils	>100 feet Dep	oth to Groundwa	ter 19.15.29 NM	IAC		
			10 mg/kg				50 mg/kg	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg
BH-13	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	310	600	910	610
BH-14	2/8/22	4	₹0:42	<del>₹0.24</del>	₹0.24	<del>₹0.49</del>	≥0:49	~24	1,600	2,200	3,800	2,200
BH-14A	2/17/22	4.5	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	28	130	158	1,600
BH-15	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	770	1,100	1,870	1,800
BH-16	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	640	1,700	2,340	1,600
BH-17	2/8/22	4	₹0.42	<del>₹0.24</del>	₹0:24	≥0.48	₹0:48	<del>~2</del> 4	1,400	2,100	3,500	560
BH-17A	2/17/22	4.5	<0.025	<0.50	<0.050	<0.10	<0.10	<5.0	340	330	670	5,400
BH-18	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	340	1,200	1,540	540
BH-19	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	160	240	400	2,300
BH-20	2/8/22	4	₹0:42	₹0.24	₹0.24	≥0:49	₹0:49	<del>~24</del>	1,300	1,100	2,400	2,600
BH-20A	2/17/22	4.5	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	310	840	1,150	280
BH-21	2/8/22	#_	₹0:42	₹0:24	₹0:24	≥0:48	₹0:48	₹4.8	4,300	4,600	8,900	3,300_
BH-21A	2/17/22	4.5	<0.12	<0.24	<0.24	<0.48	<0.48	<24	260	190	450	2,500
BH-22	2/8/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	3,800
BH-23	2/8/22	#	₹0:42	<del>&lt;0.2</del> 3	₹0.23	≥0:47	₹0:47	-23	1,800	1,890	3,600	2,300
BH-23A	2/17/22	4.5	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	270	510	780	2,500
BH-24	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	830	1,200	2,030	740
BH-25	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	270	850	1,120	810
BH-26	2/8/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	49	89	138	920
BH-27	2/8/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.2	<46	<46	1,300
BH-28	2/8/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	180
BH-29	2/8/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	41	76	117	1,000
BH-30	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	170	290	460	980
BH-31	2/8/22	4	<0.12	<0.24	<0.24	<0.47	<0.47	<24	140	190	330	1,200
BH-32	2/8/22	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	180	310	490	1,000
BH-33	2/8/22	4	<0.12	<0.24	<0.24	<0.47	<0.47	<24	210	760	970	680
BH-34	2/8/22	4	<0.12	<0.25	<0.25	<0.50	<0.50	<25	200	680	880	720
BH-35	2/8/22	4	<0.12	<0.23	<0.23	<0.47	<0.47	<23	140	420	560	660
BH-36	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	130	360	490	700
BH-37	2/8/22	4	<0.12	<0.23	<0.23	<0.46	<0.46	<23	160	330	490	700
BH-38	2/8/22	4	<0.12	<0.24	<0.24	<0.47	<0.47	<24	140	280	420	750
BH-39	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	7,200
BH-40	2/14/22	4	<0.025	<0.50	<0.050	<0.099	<0.099	<5.0	<9.7	<49	<49	5,800

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	1	<u> </u>			,	unty, New Mex	- 		etal Potroloum	Hydrocarbons (	(TDU)	<b> </b>
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO(C6-C10)	DRO(C10- C28)	MRO (C28- C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Sample Date	Depth (ft base)	(ma/ka)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)		(ma/ka)
	Date	(ft bgs)	(mg/kg)	(IIIg/kg)	Table I Closure C						(mg/kg)	(mg/kg)
			10 mg/kg				50 mg/kg	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg
BH-41	2/14/22	4	<0.025	<0.50	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<49	5,800
BH-42	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<46	<46	8,300
BH-43	2/14/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	3,400
BH-44	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	6,000
BH-45	2/14/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	5,800
BH-46	2/14/22	4	<0.025	<0.50	<0.050	<0.099	<0.099	<5.0	<9.5	<48	<48	6,000
BH-47	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.0	<45	<45	6,200
BH-48	2/14/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.0	<45	<45	1,100
BH-49	2/14/22	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	2,800
BH-50	2/14/22	4	<0.023	<0.046	<0.046	<0.093	< 0.093	<4.6	<8.9	<45	<45	2,300
BH-51	2/14/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.4	<47	<47	5,000
BH-52	2/14/22	4	<0.025	<0.50	<0.050	<0.099	<0.099	<5.0	<9.5	<47	<47	3,900
BH-53	2/14/22	4	<0.024	<0.048	<0.048	<0.095	< 0.095	<4.8	<9.0	<45	<45	4,900
BH-54	2/14/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.3	<46	<46	6,100
BH-55	2/14/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	2,800
BH-56	2/14/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	1,800
BH-57	2/14/22	4	<0.024	<0.049	<0.049	<0.097	< 0.097	<4.9	<9.9	<50	<50	2,400
BH-58	2/14/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<47	<47	3,500
BH-59	2/14/22	4	<0.024	<0.049	<0.049	<0.097	< 0.097	<4.9	<9.6	<48	<48	4,100
BH-60	2/14/22	4	<0.024	<0.047	<0.047	<0.095	< 0.095	<4.7	<9.4	<47	<47	3,900
BH-61	2/14/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<8.9	<44	<44	4,100
BH-62	2/14/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<47	<47	3,000
BH-63	2/14/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	380
BH-64	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<49	<49	3,400
BH-65	2/14/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.1	<45	<45	3,300
BH-66	2/14/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	4,900
BH-67	2/14/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<8.9	<45	<45	5,100
BH-68	2/14/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	160
BH-69	2/15/22	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<8.9	<45	<45	2,200
BH-70	2/15/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	2,200
BH-71	2/15/22	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.6	<48	<48	2,000
BH-72	2/15/22	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	2,600
BH-73	2/15/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	690

					Jack EO	Table 1 of Soil Analytica son AT Battery of Resources ounty, New Mex						
			Benzene	Toluene	Ethylbenzene	Xylenes	ВТЕХ	GRO(C6-C10)	DRO(C10-	Hydrocarbons   MRO (C28-	Total	Chloride
Sample ID	Sample	Depth	( ( )	, , ,	( ( )	, , ,	, , , ,	, , ,	C28)	C35)	GRO/DRO/MRO	, , , , ,
•	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg) Table I Closure 0	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg) ter 19 15 29 NN	(mg/kg)	(mg/kg)	(mg/kg)
			10 mg/kg				50 mg/kg	1,000 mg/kg	10.10.20 111		2,500 mg/kg	20,000 mg/k
DI 174	0/45/00	4	~ ~						40 F			
BH-74	2/15/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<48	<48	2,100
BH-75 BH-76	2/15/22 2/15/22	4	<0.024 <0.025	<0.048	<0.048 <0.050	<0.096 <0.099	<0.096 <0.099	<4.8 <5.0	<9.6 <10	<48 <50	<48 <50	1,800 440
BH-77	2/15/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0 <5.0	<10	<50 <50	<50 <50	1,500
BH-78	2/15/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0 <5.0	<9.3	<50 <46	<46	940
BH-79	2/15/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0 <5.0	<9.5 <10	<50	<50	570
BH-80	2/15/22	4	<0.023	<0.030	<0.030	<0.10	<0.10	<4.9	<9.7	<49	<49	1,300
BH-81	2/16/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<5.0	<9.3	<47	<47	1,000
BH-82	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	1,500
BH-83	2/16/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	1,500
BH-84	2/16/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	57	88	145	1,600
BH-85	2/16/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	93	<240	93	2,300
BH-86	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	2,500
BH-87	2/16/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.3	<47	<47	3,200
BH-88	2/16/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	1,600
BH-89	2/16/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	1,400
BH-90	2/16/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	1,300
BH-91	2/16/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	10	<47	10	4,500
BH-92	2/16/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	20	<49	20	1,200
BH-93	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	1,600
BH-94	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.2	<46	<46	1,600
BH-95	2/16/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.2	<46	<46	1,100
BH-96	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	4,200
BH-97	2/16/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	23	49	72	7,600
BH-98	2/16/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<8.7	<44	<44	4,100
BH-99	2/16/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<48	<48	2,300
BH-100	2/16/22	#	₹0.12	₹0:25	₹0:25	₹0:50	₹0.50_	~25	4,300	4,000	8,300	3,300
BH-100A	2/28/22	5	<0.12	<0.024	<0.024	<0.048	<0.048	<4.8	170	130	300	680
BH-101	2/17/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.6	<48	<48	1,300
BH-102	2/17/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	890
BH-103	2/17/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.5	<48	<48	1,400
BH-104	2/17/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	24	94	118	1,500
BH-105	2/17/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<8.8	<44	<44	1,400

Received by OCD: 4/26/2022 2:59:09 PM

	1	1	1		1	unity, New Mex		T.	otal Potroloum	Hydrocarbons (	TDU)	1
Sample ID	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO(C6-C10)	DRO(C10- C28)	MRO (C28- C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg) Table I Closure C	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			10 mg/kg				50 mg/kg	1,000 mg/kg	ter 19.13.29 NW		2,500 mg/kg	20,000 mg/kg
BH-106	2/17/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	53	150	203	1,300
BH-107	2/17/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	27	89	116	730
BH-108	2/17/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	280	880	1,160	730
BH-109	2/17/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	330	870	1,200	1,200
BH-110	2/17/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	42	97	139	2,000
BH-111	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.1	<46	<46	1,900
BH-112	2/18/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	2,200
BH-113	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	2,300
BH-114	2/18/22	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<48	<48	2,200
BH-115	2/18/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	150	460	610	1,100
BH-116	2/18/22	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	400	810	1,210	<60
BH-117	2/18/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	650	1,500	2,150	1,200
BH-118	2/18/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	630
BH-119	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	410	1,100	1,510	510
BH-120	2/18/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	210	140	350	3,200
BH-121	2/18/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	460	970	1,430	670
BH-122	2/18/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<48	<48	940
BH-123	2/18/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.8	<49	<49	750
BH-124	2/18/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	810	510	1,320	2,000
BH-125	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	26	89	115	770
BH-126	2/18/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	14	<48	14	250
BH-127	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	14	52	66	470
BH-128	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	160	280	440	1,400
BH-129	2/22/22	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	130	730	860	2,400
BH-130	2/22/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	150	440	590	1,900
BH-131	2/22/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	130	470	600	500
BH-132	2/22/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.1	<45	<45	660
BH-133	2/22/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<49	1,500
BH-134	2/22/22	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.5	<47	<47	2,000
BH-135	2/22/22	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.4	<47	<47	2,800
BH-136	2/22/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.2	<46	<46	2,100
BH-137	2/22/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.2	<46	<46	860
BH-138	2/22/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	30	150	180	1,200

					Jack EC	Table 1 of Soil Analytica ason AT Battery OG Resources ounty, New Mex					(TDLI)	
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO(C6-C10)	DRO(C10- C28)	Hydrocarbons MRO (C28- C35)	(TPH) Total GRO/DRO/MRO	Chloride
Sample ID	Sample Date	Depth (ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	Buto	(11 Dg3)	(99)	(gg)	Table I Closure (						(99)	(99)
			10 mg/kg				50 mg/kg	1,000 mg/kg			2,500 mg/kg	20,000 mg/k
BH-139	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	120	540	660	1,600
BH-140	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.1	<45	<45	1,000
BH-141	2/22/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.0	<45	<45	950
BH-142	2/22/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<49	<49	1,100
BH-143	2/22/22	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.3	<47	<47	1,000
BH-144	2/22/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.2	<46	<46	1,100
BH-145	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.2	<46	<46	1,600
BH-146	2/22/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.0	<45	<45	940
BH-147	2/22/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	78	120	198	910
BH-148	2/22/22	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	43	71	114	980
BH-149	2/22/22	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.2	<46	<46	1,300
BH-150	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.2	<46	<46	550
BH-151	2/23/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	1,100
BH-152	2/23/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.1	<45	<45	1,000
BH-153	2/23/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.1	<46	<46	1,100
BH-154	2/24/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<25	51	93	144	1,300
BH-155	2/24/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	180	260	440	1,700
BH-156	2/24/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	32	110	142	1,100
BH-157	2/24/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	150	170	320	3,100
BH-158	2/24/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	250	380	630	2,400
BH-159	2/24/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	390	620	1010	1,600
BH-160	2/24/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	140	300	440	1,500
BH-161	2/24/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	80	110	190	720
BH-162	2/24/22	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	230	360	590	2,400
BH-163	2/24/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	190	210	400	1,600
BH-164	2/24/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	240	220	460	2,100
BH-165	2/24/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	280	570	850	810
BH-166	2/24/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<50	510
BH-167	2/24/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	38	55	93	2,800
BH-168	2/24/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	51	59	110	1,900
BH-169	2/24/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	270	480	750	2,900
BH-170	2/24/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	130	130	260	2,200
BH-171	2/25/22	10	< 0.025	< 0.049	< 0.049	< 0.099	< 0.099	<4.9	<9.2	<46	<46	470

					Jack EO	Table 1 of Soil Analytica son AT Battery G Resources ounty, New Mex						
			Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO(C6-C10)	otal Petroleum i DRO(C10- C28)	Hydrocarbons ( MRO (C28- C35)	(TPH)  Total  GRO/DRO/MRO	Chloride
Sample ID	Sample Date	Depth (ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
	Buto	(it 295)	(99)		Table I Closure C						(99)	(99)
			10 mg/kg				50 mg/kg	1,000 mg/kg			2,500 mg/kg	20,000 mg/k
BH-172	2/25/22	10	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	41	<46	41	920
BH-173	2/25/22	10	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	15	58	73	800
BH-174	2/25/22	10	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<8.6	<43	<43	650
BH-175	2/25/22	10	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	140	300	440	1,000
				1 2.0.0		on Sidewall Sai	l					.,
SW-1	2/8/22	Sidewall	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<50	<50	<60
SW-2	2/8/22	Sidewall	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<48	<48	60
SW-3	2/8/22	Sidewall	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.6	<48	<48	<60
<del>SW-</del> 4_	2/8/22	Sidewall	<0.024	<0.047	₹0.047	<0.094	<0.094	<del>24.7</del>	66_	170_	236	110_
SW-4A	2/17/22	Sidewall	<0.024	<0.049	<0.049	<0.09Z	<0.097	<del>24.0</del>	56_	270_	326_	~60_
SW-4B	3/10/22	Sidewall	<0.023	<0.045	<0.045	<0.091	<0.091	<4.5	13	59	72	120
SW-5	2/8/22	Sidewall	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<49	<49	65
<del>S₩-6</del>	2/8/22	Sidewall	₹0.12	₹0:24	₹0.24	₹0.48	<0.48_	-24_	62	240	302	~60_
SW-6A	2/17/22	Sidewall	<0.025	<0.050	<0.050	₹0.10	₹0.10	~5.0_	64_	310_	374_	-60_
SW-6B	3/10/22	Sidewall	<0.019	<0.039	<0.039	<0.077	<0.077	<3.9	<9.7	<48	<48	110
<del>SW-7</del>	2/8/22	Sidewall	₹0.12	₹0.24_	₹0.24	₹0.48	₹0.48_	<del>24</del>	98_	290_	388	77
SW-7A	2/17/22	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<del>24.0</del>	48_	150_	198_	-60_
SW-7B	3/10/22	Sidewall	<0.018	<0.037	<0.037	<0.073	<0.073	<3.7	<8.8	45	45	110
SW-8	2/8/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	14	46	60	<60
SW-9	2/8/22	Sidewall	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<8.1	<41	<41	65
SW-10	2/14/22	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	160
SW-11	2/14/22	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<50	<50	230
SW-12	2/14/22	Sidewall	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<47	<47	<61
SW-13	2/14/22	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	300
SW-14	2/14/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	390
SW-15	2/14/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	220
SW-16	2/14/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.4	<47	<47	360
SW-17	2/15/22	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	20	78	78	130
SW-18	2/15/22	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	290
SW-19	2/18/22	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.2	<46	<46	<60
SW-20	2/18/22	Sidewall	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	<60
SW-21	2/18/22	Sidewall	<0.025	₹0:049_	<0.049	<0.099	<0.099	<del>24.9</del>	110_	170_	280	~60_
SW-21A	3/10/22	Sidewall	<0.021	<0.042	<0.042	<0.083	<0.083	<4.2	<10	<50	<50	<60

					Jacks EO	Table 1 f Soil Analytica son AT Battery G Resources unty, New Mex						
								To	otal Petroleum	Hydrocarbons (	ТРН)	
	Sample	Depth	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO(C6-C10)	DRO(C10- C28)	MRO (C28- C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Date	(ft bgs)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC												
			10 mg/kg				50 mg/kg	1,000 mg/kg			2,500 mg/kg	20,000 mg/kg
SW-22	2/18/22	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	380
SW-23	2/18/22	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<47	<47	<60
SW-24	2/22/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<8.8	<44	<44	340
SW-25	2/22/22	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	200
SW-26	2/22/22	Sidewall	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<48	<48	130
SW-27	2/25/22	Sidewall	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.8	<49	<49	590
SW-28	2/25/22	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<47	<47	650
SW-29	2/25/22	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	270
SW-30	2/25/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.3	<46	<46	450
SW-31	2/25/22	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.2	<46	<46	230

#### Notes:

- 1. Values reported in mg/kg
   2. <= Value Less than Reporting Limit (RL)
   3. Bold Indicates Analyte Detected
- 4 BTEX analyses by EPA Method SW 8021B.
- 5. TPH analyses by EPA Method SW 8015 Mod.

B-BH 2 Sample Point Excavated

- 6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.
- 8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table 1 Closure Criteria for the site (Surface to 4 Feet Below Grade).

# Table 2 Daily Disposal Summary Jackson AT Battery EOG Resources Eddy, County, New Mexico

Date of	Total Pounds	Total Tons
Disposal	Disposed	Disposed
2/1/2022	983,780	491.89
2/2/2022	622,120	311.06
2/7/2022	962,260	481.13
2/8/2022	1,034,580	517.29
2/9/2022	728,540	364.27
2/10/2022	582,960	291.48
2/11/2022	701,840	350.92
2/14/2022	360,300	180.15
2/15/2022	419,640	209.82
2/16/2022	441,020	220.51
2/17/2022	976,390	488.20
2/18/2022	1,123,520	561.76
2/21/2022	1,253,380	626.69
2/22/2022	1,507,560	753.78
2/23/2022	1,664,360	832.18
2/28/2022	487,480	243.74
3/30/2022	71,780	35.89
Project Total	13,921,510	6,924.87

# Attachment A Site Characterization Documentation

# Attachment A Site Characterization Documentation

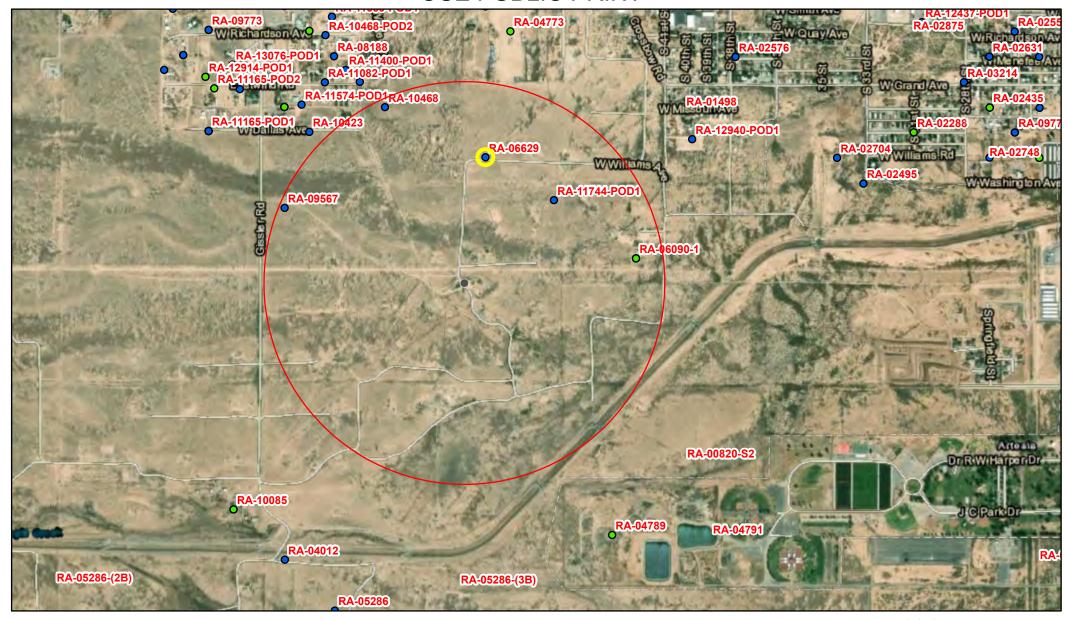
Received by OCD: 4/26/2022 2:59:09 PM EOG Jackson Al Battery

Karst Potential Map

**C**EOG Jackson AT Battery



# **OSE PUBLIC PRINT**

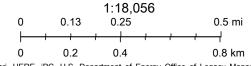


9/21/2021, 5:00:46 PM

**GIS WATERS PODs OSE District Boundary** 

Active

SiteBoundaries



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar



# New Mexico Office of the State Engineer **Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag **POD Number**  Q64Q16Q4 Sec Tws Rng

X

**RA 11744 POD1** 

4 14 17S 25E

3633100 551297

**Driller License: 1064** 

**Driller Company:** 

**DELFORD W. MARTIN** 

**Driller Name:** 

Drill Start Date: 12/01/2011

**Drill Finish Date:** 

12/10/2011

Plug Date:

Log File Date:

12/14/2011

**PCW Rcv Date:** 

Shallow

**Pump Type:** 

Pipe Discharge Size:

Source: Estimated Yield: 15 GPM

Casing Size:

Depth Well: 5.00

300 feet

**Depth Water:** 

187 feet

Water Bearing Stratifications:

**Top Bottom Description** 

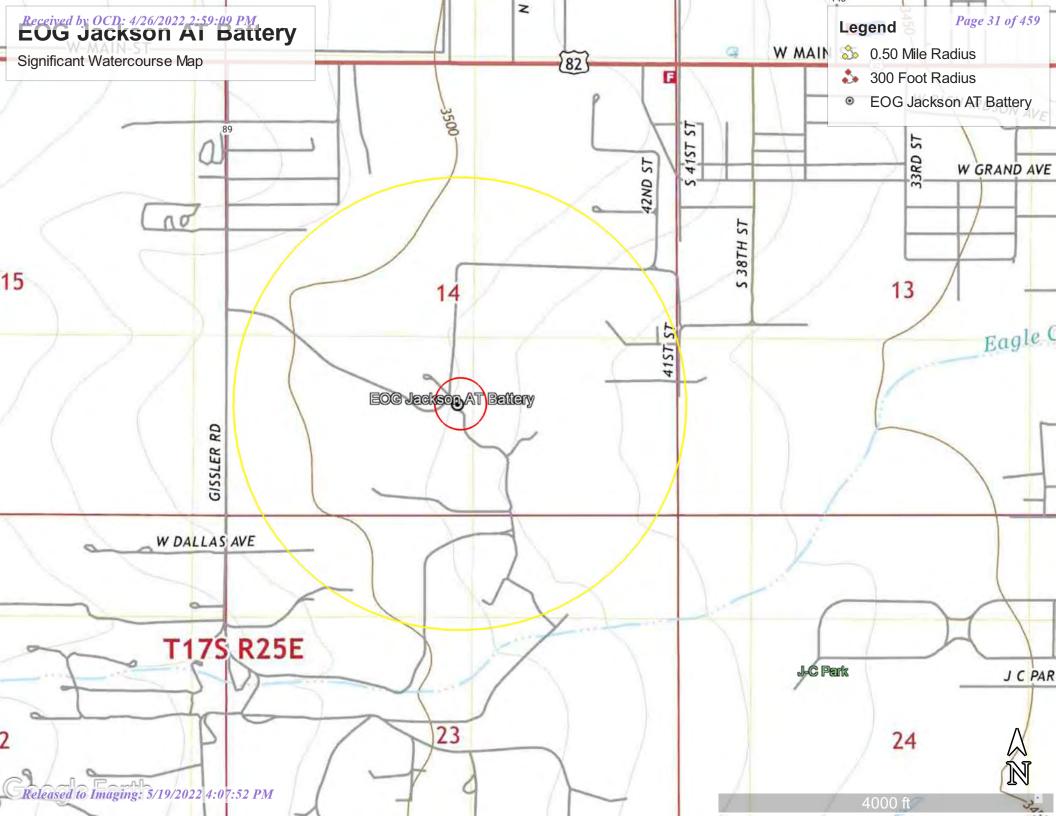
187

300 Sandstone/Gravel/Conglomerate

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

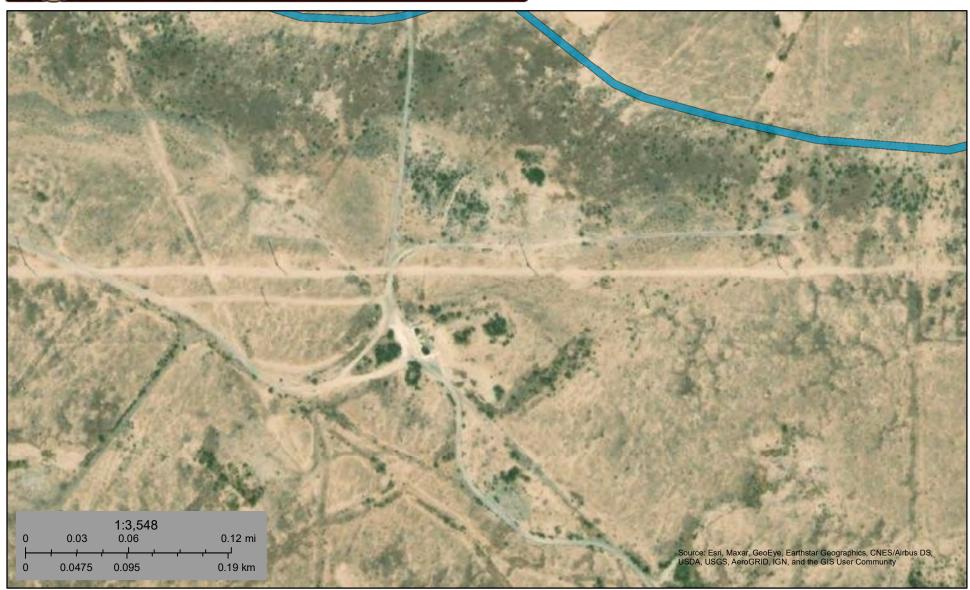
9/21/21 3:46 PM

POINT OF DIVERSION SUMMARY





# **EOG Jackson AT Battery**



September 21, 2021

#### Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Lake

Other

Riverine

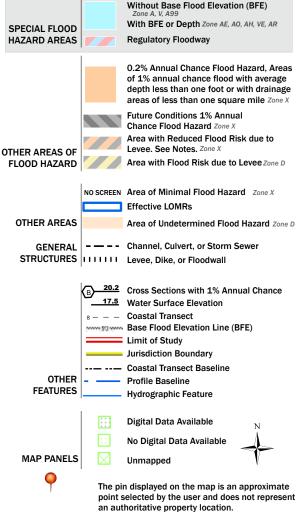
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

OReleas 250 Imaging: 5/19/2022 4907:52 PM

# Received by OCD: 4/26/2022 2:59:09 PM National Flood Hazard Layer FIRMette



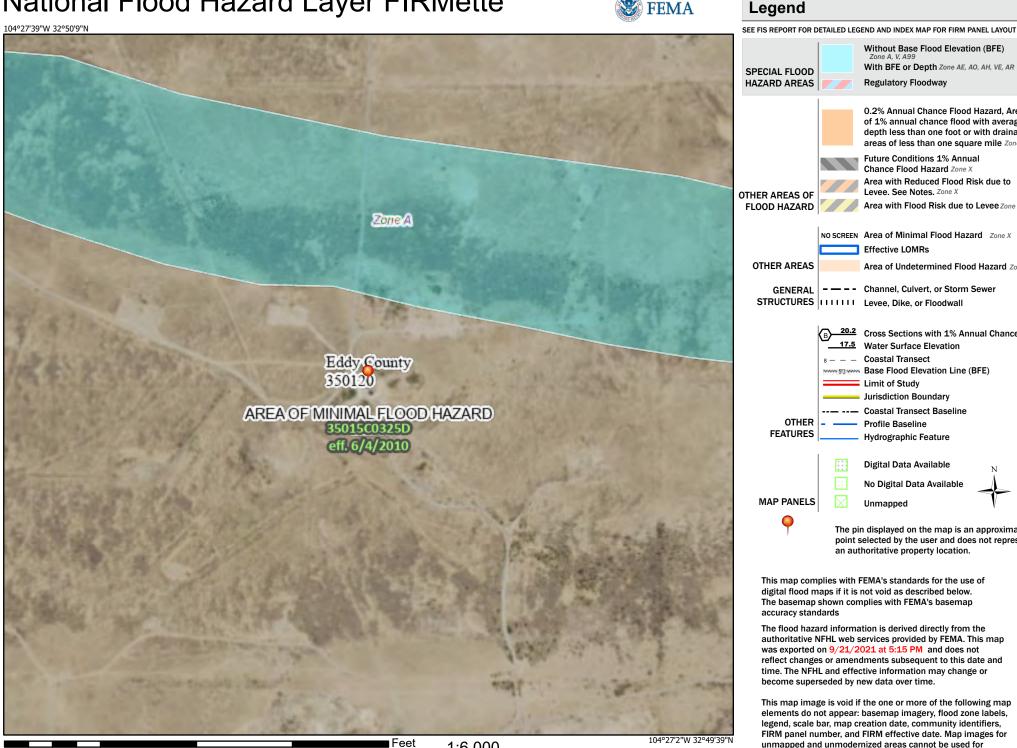




This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/21/2021 at 5:15 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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



2.000

# Attachment B Photographic Log







Site Photographic Log EOG Jackson AT Battery Release Site GHD | Report for EOG | 11229324







Site Photographic Log EOG Jackson AT Battery Release Site GHD | Report for EOG | 11229324







Site Photographic Log EOG Jackson AT Battery Release Site GHD | Report for EOG | 11229324







Site Photographic Log EOG Jackson AT Battery Release Site GHD | Report for EOG | 11229324

# Attachment C Confirmation Sampling Notification

**From:** Chase Settle < Chase\_Settle@eogresources.com>

Sent: Thursday, February 3, 2022 5:51 PM

**To:** Zach Comino; Becky Haskell

**Subject:** FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

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

Sent: Thursday, February 3, 2022 4:37 PM

**To:** Robert.Hamlet@state.nm.us; blm\_nm\_cfo\_spill@blm.gov

**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Bob Asher <Bob\_Asher@eogresources.com>; Chase Settle <Chase\_Settle@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Yvette Moore <Yvette Moore@eogresources.com>

Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good afternoon,

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

Jackson AT Battery J-14-17S-25E Eddy County, NM nAPP2115336154

Sampling will begin at 8:00 a.m. on Tuesday, February 8, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com



**From:** Chase Settle < Chase\_Settle@eogresources.com>

Sent: Wednesday, February 9, 2022 10:25 AM

**To:** Zach Comino; Becky Haskell

**Subject:** FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

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

Sent: Wednesday, February 9, 2022 9:22 AM

**To:** Robert.Hamlet@state.nm.us

**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Bob Asher <Bob\_Asher@eogresources.com>; Chase Settle <Chase\_Settle@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Yvette Moore <Yvette Moore@eogresources.com>

Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good morning,

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

Jackson AT Battery J-14-17S-25E Eddy County, NM nAPP2115336154

Sampling will begin at 8:00 a.m. on Monday, February 14, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com



**From:** Chase Settle < Chase\_Settle@eogresources.com>

Sent: Thursday, February 17, 2022 11:17 AM

**To:** Zach Comino; Becky Haskell

**Subject:** FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

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

Sent: Thursday, February 17, 2022 9:48 AM

**To:** Robert.Hamlet@state.nm.us

**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Bob Asher <Bob\_Asher@eogresources.com>; Chase Settle <Chase\_Settle@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Yvette Moore

<Yvette\_Moore@eogresources.com>

Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good morning,

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

Jackson AT Battery J-14-17S-25E Eddy County, NM nAPP2115336154

Sampling will begin at 8:00 a.m. on Tuesday, February 22, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com



**From:** Chase Settle < Chase\_Settle@eogresources.com>

**Sent:** Thursday, February 24, 2022 11:32 AM **To:** Becky Haskell; Zach Comino; Heath Boyd

**Subject:** FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

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

Sent: Thursday, February 24, 2022 10:29 AM

**To:** Robert.Hamlet@state.nm.us

**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Bob Asher <Bob\_Asher@eogresources.com>; Chase Settle <Chase\_Settle@eogresources.com>; Katie Jamison <Katie\_Jamison@eogresources.com>; Yvette Moore

<Yvette Moore@eogresources.com>

Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good morning,

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

Jackson AT Battery J-14-17S-25E Eddy County, NM nAPP2115336154

Sampling will begin at 10:15 a.m. on Monday, February 28, 2022.

Thank you,

Tina Huerta

Regulatory Specialist

Direct: 575.748.4168

Cell: 575.703.3121

Email: tina huerta@eogresources.com

**eog resources** 

**From:** Chase Settle < Chase\_Settle@eogresources.com>

Sent: Thursday, March 3, 2022 3:19 PM

**To:** Becky Haskell; Zach Comino; Tom Larson

**Subject:** FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

From: Miriam Morales < Miriam\_Morales@eogresources.com>

Sent: Thursday, March 3, 2022 2:18 PM

**To:** Robert.Hamlet@state.nm.us

**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Bob Asher <Bob\_Asher@eogresources.com>; Chase Settle <Chase\_Settle@eogresources.com>; Yvette Moore <Yvette\_Moore@eogresources.com>; Katie Jamison@eogresources.com>

Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good afternoon,

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

Jackson AT Battery J-14-17S-25E Eddy County, NM nAPP2115336154

Sampling will begin at 8:00 a.m. on Thursday, March 10, 2022.

Thank you,

Miriam Morales

## Attachment D Laboratory Analytical Reports and Chain-of-Custody Documentation



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

July 08, 2021

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

**FAX** 

RE: Jackson AT Battery OrderNo.: 2106D64

#### Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 10 sample(s) on 6/25/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: **2106D64**Date Reported: **7/8/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106D64

**Project:** Jackson AT Battery

**Lab ID:** 2106D64-001 **Collection Date:** 6/23/2021 11:00:00 AM

Client Sample ID: TP1-4 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300.0: ANIONS						An	alyst:	VP
Chloride	2100	60		mg/Kg	20	7/2/2021 12:01:39	PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					An	alyst:	BRM
Diesel Range Organics (DRO)	11000	970		mg/Kg	100	6/29/2021 10:54:4	5 PM	60965
Motor Oil Range Organics (MRO)	5800	4800		mg/Kg	100	6/29/2021 10:54:4	5 PM	60965
Surr: DNOP	0	70-130	S	%Rec	100	6/29/2021 10:54:4	5 PM	60965
EPA METHOD 8015D: GASOLINE RANGE						An	alyst:	mb
Gasoline Range Organics (GRO)	ND	48	DD	mg/Kg	10	7/2/2021 11:25:00	AM	60961
Surr: BFB	114	70-130	D	%Rec	10	7/2/2021 11:25:00	AM	60961
EPA METHOD 8021B: VOLATILES						An	alyst:	mb
Benzene	ND	0.24	DD	mg/Kg	10	7/2/2021 11:25:00	AM	60961
Toluene	ND	0.48	DD	mg/Kg	10	7/2/2021 11:25:00	AM	60961
Ethylbenzene	ND	0.48	DD	mg/Kg	10	7/2/2021 11:25:00	AM	60961
Xylenes, Total	ND	0.97	DD	mg/Kg	10	7/2/2021 11:25:00	AM	60961
Surr: 4-Bromofluorobenzene	102	70-130	DD	%Rec	10	7/2/2021 11:25:00	AM	60961

**Lab ID:** 2106D64-002 **Collection Date:** 6/23/2021 11:15:00 AM

Client Sample ID: TP1-10 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed I	Batch ID
EPA METHOD 300.0: ANIONS					Analys	st: <b>VP</b>
Chloride	1300	61	mg/Kg	20	7/6/2021 9:12:43 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	st: CLP
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	7/3/2021 9:42:28 AM	61114
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	7/3/2021 9:42:28 AM	61114
Surr: DNOP	98.5	70-130	%Rec	1	7/3/2021 9:42:28 AM	61114
EPA METHOD 8015D: GASOLINE RANGE					Analys	st: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/6/2021 9:37:00 AM	61112
Surr: BFB	97.5	70-130	%Rec	1	7/6/2021 9:37:00 AM	61112
EPA METHOD 8021B: VOLATILES					Analys	st: <b>mb</b>
Benzene	ND	0.024	mg/Kg	1	7/6/2021 9:37:00 AM	61112
Toluene	ND	0.048	mg/Kg	1	7/6/2021 9:37:00 AM	61112
Ethylbenzene	ND	0.048	mg/Kg	1	7/6/2021 9:37:00 AM	61112
Xylenes, Total	ND	0.096	mg/Kg	1	7/6/2021 9:37:00 AM	61112
Surr: 4-Bromofluorobenzene	92.6	70-130	%Rec	1	7/6/2021 9:37:00 AM	61112

Refer to the QC Summary 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

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

Page 1 of 15

Lab Order: **2106D64**Date Reported: **7/8/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106D64

**Project:** Jackson AT Battery

**Lab ID:** 2106D64-003 **Collection Date:** 6/23/2021 12:35:00 PM

Client Sample ID: TP1-18 Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Batch ID Analyses EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 1500 60 7/6/2021 9:25:07 AM 61120 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: CLP Diesel Range Organics (DRO) 7/3/2021 10:18:24 AM ND 9.8 mg/Kg 61114 Motor Oil Range Organics (MRO) ND 7/3/2021 10:18:24 AM 61114 49 mg/Kg 1 Surr: DNOP 97.5 70-130 %Rec 7/3/2021 10:18:24 AM 61114 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 4.6 mg/Kg 1 7/6/2021 10:37:00 AM 61112 Surr: BFB 97.5 70-130 %Rec 1 7/6/2021 10:37:00 AM 61112 **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 7/6/2021 10:37:00 AM 0.023 mg/Kg 61112 Toluene ND 0.046 mg/Kg 1 7/6/2021 10:37:00 AM 61112 Ethylbenzene ND 0.046 mg/Kg 1 7/6/2021 10:37:00 AM 61112 Xylenes, Total ND 0.091 mg/Kg 7/6/2021 10:37:00 AM 61112 Surr: 4-Bromofluorobenzene 92.8 70-130 %Rec 7/6/2021 10:37:00 AM 61112

Refer to the QC Summary 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

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

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Lab Order: **2106D64**Date Reported: **7/8/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106D64

**Project:** Jackson AT Battery

**Lab ID:** 2106D64-004 **Collection Date:** 6/23/2021 12:45:00 PM

Client Sample ID: TP1-20 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	1700	60	mg/Kg	20	7/6/2021 9:37:32 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	:: CLP
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/3/2021 10:30:18 AM	61114
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/3/2021 10:30:18 AM	61114
Surr: DNOP	92.0	70-130	%Rec	1	7/3/2021 10:30:18 AM	61114
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: mb
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/6/2021 11:37:00 AM	61112
Surr: BFB	94.3	70-130	%Rec	1	7/6/2021 11:37:00 AM	61112
EPA METHOD 8021B: VOLATILES					Analyst	:: mb
Benzene	ND	0.024	mg/Kg	1	7/6/2021 11:37:00 AM	61112
Toluene	ND	0.047	mg/Kg	1	7/6/2021 11:37:00 AM	61112
Ethylbenzene	ND	0.047	mg/Kg	1	7/6/2021 11:37:00 AM	61112
Xylenes, Total	ND	0.095	mg/Kg	1	7/6/2021 11:37:00 AM	61112
Surr: 4-Bromofluorobenzene	90.1	70-130	%Rec	1	7/6/2021 11:37:00 AM	61112

**Lab ID:** 2106D64-005 **Collection Date:** 6/23/2021 1:20:00 PM

Client Sample ID: TP2-2 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	690	60	mg/Kg	20	7/6/2021 9:49:56 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: CLP
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/3/2021 10:42:24 AM	61114
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/3/2021 10:42:24 AM	61114
Surr: DNOP	101	70-130	%Rec	1	7/3/2021 10:42:24 AM	61114
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/6/2021 11:57:00 AM	61112
Surr: BFB	94.8	70-130	%Rec	1	7/6/2021 11:57:00 AM	61112
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.025	mg/Kg	1	7/6/2021 11:57:00 AM	61112
Toluene	ND	0.050	mg/Kg	1	7/6/2021 11:57:00 AM	61112
Ethylbenzene	ND	0.050	mg/Kg	1	7/6/2021 11:57:00 AM	61112
Xylenes, Total	ND	0.099	mg/Kg	1	7/6/2021 11:57:00 AM	61112
Surr: 4-Bromofluorobenzene	89.9	70-130	%Rec	1	7/6/2021 11:57:00 AM	61112

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

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

Page 3 of 15

Lab Order: **2106D64**Date Reported: **7/8/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106D64

**Project:** Jackson AT Battery

**Lab ID:** 2106D64-006 **Collection Date:** 6/23/2021 1:30:00 PM

Client Sample ID: TP2-10 Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Analyses Batch ID EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 150 3600 7/6/2021 11:29:13 AM 61120 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: CLP Diesel Range Organics (DRO) 7/3/2021 10:54:25 AM ND 9.7 mg/Kg 61114 Motor Oil Range Organics (MRO) ND 7/3/2021 10:54:25 AM 61114 49 mg/Kg 1 Surr: DNOP 101 70-130 %Rec 7/3/2021 10:54:25 AM 61114 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 4.6 mg/Kg 1 7/6/2021 12:16:00 PM 61112 Surr: BFB 101 70-130 %Rec 1 7/6/2021 12:16:00 PM 61112 **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 7/6/2021 12:16:00 PM 0.023 mg/Kg 61112 Toluene ND 0.046 mg/Kg 1 7/6/2021 12:16:00 PM 61112 Ethylbenzene ND 0.046 mg/Kg 1 7/6/2021 12:16:00 PM 61112 Xylenes, Total ND 0.092 mg/Kg 7/6/2021 12:16:00 PM 61112 Surr: 4-Bromofluorobenzene 92.4 70-130 %Rec 7/6/2021 12:16:00 PM 61112

Refer to the QC Summary 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

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

Page 4 of 15

Lab Order: **2106D64**Date Reported: **7/8/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106D64

**Project:** Jackson AT Battery

**Lab ID:** 2106D64-007 **Collection Date:** 6/23/2021 2:20:00 PM

Client Sample ID: TP2-18 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed Ba	atch ID
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	3100	150	mg/Kg	50	7/6/2021 11:41:37 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	CLP
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/3/2021 11:06:23 AM	61114
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/3/2021 11:06:23 AM	61114
Surr: DNOP	102	70-130	%Rec	1	7/3/2021 11:06:23 AM	61114
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/6/2021 12:36:00 PM	61112
Surr: BFB	99.9	70-130	%Rec	1	7/6/2021 12:36:00 PM	61112
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.023	mg/Kg	1	7/6/2021 12:36:00 PM	61112
Toluene	ND	0.046	mg/Kg	1	7/6/2021 12:36:00 PM	61112
Ethylbenzene	ND	0.046	mg/Kg	1	7/6/2021 12:36:00 PM	61112
Xylenes, Total	ND	0.091	mg/Kg	1	7/6/2021 12:36:00 PM	61112
Surr: 4-Bromofluorobenzene	92.2	70-130	%Rec	1	7/6/2021 12:36:00 PM	61112

**Lab ID:** 2106D64-008 **Collection Date:** 6/23/2021 2:30:00 PM

Client Sample ID: TP2-20 Matrix: SOIL

Analyses	Result	RL Qu	ual Units	DF	Date Analyzed Ba	atch ID
EPA METHOD 300.0: ANIONS					Analyst	: VP
Chloride	1000	60	mg/Kg	20	7/6/2021 10:52:00 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: CLP
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/3/2021 11:18:34 AM	61114
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/3/2021 11:18:34 AM	61114
Surr: DNOP	114	70-130	%Rec	1	7/3/2021 11:18:34 AM	61114
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: mb
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/6/2021 12:56:00 PM	61112
Surr: BFB	99.7	70-130	%Rec	1	7/6/2021 12:56:00 PM	61112
EPA METHOD 8021B: VOLATILES					Analyst	: mb
Benzene	ND	0.024	mg/Kg	1	7/6/2021 12:56:00 PM	61112
Toluene	ND	0.047	mg/Kg	1	7/6/2021 12:56:00 PM	61112
Ethylbenzene	ND	0.047	mg/Kg	1	7/6/2021 12:56:00 PM	61112
Xylenes, Total	ND	0.095	mg/Kg	1	7/6/2021 12:56:00 PM	61112
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	7/6/2021 12:56:00 PM	61112

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

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

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Lab Order: **2106D64**Date Reported: **7/8/2021** 

### Hall Environmental Analysis Laboratory, Inc.

-

CLIENT: GHD Midland Lab Order: 2106D64

**Project:** Jackson AT Battery

**Lab ID:** 2106D64-009 **Collection Date:** 6/23/2021 2:40:00 PM

Client Sample ID: TP3-S Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Analyses Batch ID EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 60 7/6/2021 11:04:24 AM 61120 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: CLP Diesel Range Organics (DRO) 7/3/2021 11:55:00 AM 18 9.6 mg/Kg 61114 Motor Oil Range Organics (MRO) 100 7/3/2021 11:55:00 AM 61114 48 mg/Kg 1 Surr: DNOP 76.1 70-130 %Rec 7/3/2021 11:55:00 AM 61114 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 4.6 mg/Kg 1 7/6/2021 1:16:00 PM 61112 Surr: BFB 97.6 70-130 %Rec 1 7/6/2021 1:16:00 PM 61112 **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.023 mg/Kg 1 7/6/2021 1:16:00 PM 61112 Toluene ND 0.046 mg/Kg 1 7/6/2021 1:16:00 PM 61112 Ethylbenzene ND 0.046 mg/Kg 1 7/6/2021 1:16:00 PM 61112 Xylenes, Total ND 0.091 mg/Kg 7/6/2021 1:16:00 PM 61112 Surr: 4-Bromofluorobenzene 89.4 70-130 %Rec 7/6/2021 1:16:00 PM 61112

Refer to the QC Summary 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

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

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Lab Order: **2106D64** 

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/8/2021

CLIENT: GHD Midland Lab Order: 2106D64

**Project:** Jackson AT Battery

**Lab ID:** 2106D64-010 **Collection Date:** 6/23/2021 2:50:00 PM

Client Sample ID: TP3-2 Matrix: SOIL

**Analyses** Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 140 59 mg/Kg 7/6/2021 11:16:49 AM 61120 20 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: CLP Diesel Range Organics (DRO) ND 9.5 7/3/2021 11:42:45 AM mg/Kg 61114 Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 7/3/2021 11:42:45 AM 61114 Surr: DNOP 83.1 70-130 %Rec 7/3/2021 11:42:45 AM 61114 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 7/6/2021 1:36:00 PM 61112 4.7 mg/Kg 1 Surr: BFB 95.1 70-130 %Rec 1 7/6/2021 1:36:00 PM 61112 **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.023 7/6/2021 1:36:00 PM 61112 mg/Kg Toluene ND 7/6/2021 1:36:00 PM 0.047 mg/Kg 61112 Ethylbenzene ND 0.047 mg/Kg 1 7/6/2021 1:36:00 PM 61112 Xylenes, Total ND 0.094 mg/Kg 1 7/6/2021 1:36:00 PM 61112 Surr: 4-Bromofluorobenzene 91.6 70-130 %Rec 7/6/2021 1:36:00 PM 61112

Refer to the QC Summary 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

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D64** *08-Jul-21* 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-61081 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 61081 RunNo: 79497

Prep Date: 7/1/2021 Analysis Date: 7/1/2021 SeqNo: 2796217 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-61081 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 61081 RunNo: 79497

Prep Date: 7/1/2021 Analysis Date: 7/1/2021 SeqNo: 2796218 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.3 90 110

Sample ID: LCS-61120 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 61120 RunNo: 79587

Prep Date: 7/6/2021 Analysis Date: 7/6/2021 SeqNo: 2799387 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.3 90 110

Sample ID: MB-61120 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 61120 RunNo: 79587

Prep Date: 7/6/2021 Analysis Date: 7/6/2021 SeqNo: 2799388 Units: mg/Kg

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

Chloride ND 1.5

#### Qualifiers:

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

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

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**GHD** Midland

**Client:** 

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D64** 

08-Jul-21

Project: Jackson	AT Battery							
Sample ID: LCS-60965	SampType	e: LCS	Test	Code: <b>EPA Met</b>	hod 8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch ID	: 60965	R	unNo: <b>79472</b>				
Prep Date: 6/28/2021	Analysis Date	6/29/2021	S	eqNo: <b>2793936</b>	Units: mg/k	(g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10 50.00	0	87.9 6	88.9 141			
Surr: DNOP	3.6	5.000		72.5	70 130			
Sample ID: MB-60965	SampType	: MBLK	Test	Code: EPA Met	hod 8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch ID	: 60965	R	unNo: <b>79472</b>				
Prep Date: 6/28/2021	Analysis Date	6/29/2021	S	eqNo: <b>2793938</b>	Units: mg/k	(g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10						
Motor Oil Range Organics (MRO)	ND	50						
Surr: DNOP	7.7	10.00		77.0	70 130			
Sample ID: MB-61114	SampType	: MBLK	Test	Code: EPA Met	:hod 8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch ID	: 61114	R	unNo: <b>79559</b>				
Prep Date: 7/2/2021	Analysis Date	7/3/2021	S	eqNo: <b>2797735</b>	Units: mg/k	ίg		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10						
Motor Oil Range Organics (MRO)	ND	50						
Surr: DNOP	13	10.00		127	70 130			
Sample ID: LCS-61114	SampType	: LCS	Test	Code: EPA Met	:hod 8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch ID	: 61114	R	unNo: <b>79559</b>				
Prep Date: 7/2/2021	Analysis Date	7/3/2021	S	eqNo: <b>2797736</b>	Units: mg/k	ίg		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10 50.00	0	104 6	88.9 141			
Surr: DNOP	5.8	5.000		115	70 130			
Sample ID: <b>2106D64-002AM</b>	<b>S</b> SampType	e: MS	Test	Code: <b>EPA Met</b>	:hod 8015M/D: Di	esel Rang	e Organics	
Client ID: TP1-10	Batch ID	: 61114	R	unNo: <b>79559</b>				
Prep Date: 7/2/2021	Analysis Date	: 7/3/2021	S	eqNo: <b>2797738</b>	Units: mg/k	(g		
Analyte	Result P	QL SPK value	SPK Ref Val	%REC LowL	imit HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

Surr: DNOP

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

Diesel Range Organics (DRO)

H Holding times for preparation or analysis exceeded

42

4.8

8.9

44.48

4.448

- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

95.5

109

15

70

184

130

- E Value above quantitation range
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

0

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D64** 

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2106D64-002AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **TP1-10** Batch ID: **61114** RunNo: **79559** 

Prep Date: 7/2/2021 Analysis Date: 7/3/2021 SeqNo: 2797739 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 0 49 9.7 48.36 102 15 184 14.5 23.9 Surr: DNOP 5.2 4.836 108 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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D64** 

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-60961 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 60961 RunNo: 79532 Analysis Date: 7/1/2021 SeqNo: 2796799 Prep Date: 6/28/2021 Units: mg/Kg SPK value SPK Ref Val %REC **RPDLimit** Analyte Result PQL LowLimit HighLimit %RPD Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 920 1000 92.3 70 130 Sample ID: Ics-60961 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 60961 RunNo: 79532

Prep Date: 6/28/2021 Analysis Date: 7/1/2021 SeqNo: 2796801 Units: mg/Kg HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 25.00 O 104 78.6 131 Surr: BFB 1100 1000 108 70 130

Sample ID: mb-60981 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 60981 RunNo: 79563 Prep Date: 6/28/2021 Analysis Date: 7/2/2021 SeqNo: 2798482 Units: %Rec SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI LowLimit HighLimit Qual Surr: BFB 970 1000 96.7 70 130

Sample ID: Ics-60981 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 60981 RunNo: 79563 Prep Date: 6/28/2021 Analysis Date: 7/2/2021 SeqNo: 2798484 Units: %Rec Analyte Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 1100 1000 Surr: BFB 114 70 130

Sample ID: mb-61112 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range RunNo: 79580 Client ID: PBS Batch ID: 61112 Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799568 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Gasoline Range Organics (GRO) 5.0 ND Surr: BFB 1000 1000 102 70 130

Sample ID: mb-61115 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 61115 RunNo: 79580 Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799569 Units: %Rec Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

Surr: BFB 1000 1000 100 70 130

#### Qualifiers:

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

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D64** 

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-61112 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 61112 RunNo: 79580

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SegNo: 2799570 Units: mg/Kg

PQL SPK value SPK Ref Val HighLimit %RPD **RPDLimit** Analyte Result %REC LowLimit Qual Gasoline Range Organics (GRO) 21 5.0 25.00 Λ 84.9 78.6 131

Surr: BFB 1100 1000 114 70 130

Sample ID: Ics-61115 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 61115 RunNo: 79580

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799571 Units: %Rec

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

Surr: BFB 1100 1000 107 70 130

Sample ID: 2106D64-002ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **TP1-10** Batch ID: **61112** RunNo: **79580** 

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799572 Units: mg/Kg

Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 24 0 101 61.3 4.7 23.45 114 Gasoline Range Organics (GRO) Surr: BFB 1100 938.1 118 70 130

Sample ID: 2106D64-002amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: TP1-10 Batch ID: 61112 RunNo: 79580

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799574 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 22 4.6 23.15 0 96.2 61.3 114 5.98 20 Surr: BFB 1100 925.9 70 0 115 130 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

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D64** 

08-Jul-21

Client:	GHD Midland
Project:	Jackson AT Battery

Sample ID: <b>mb-60961</b>	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: <b>60</b> 9	961	F	RunNo: <b>7</b>	9532				
Prep Date: 6/28/2021	Analysis D	ate: 7/	1/2021	S	SeqNo: 2	796853	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	70	130			
Sample ID: Ics-60961	SampT	ype: <b>LC</b>	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: <b>60</b> 9	961	F	RunNo: 7	9532				
Prep Date: 6/28/2021	Analysis D	ate: <b>7/</b>	1/2021	S	SeqNo: 2	796855	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.5	80	120			
Toluene	0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.2	70	130			
Sample ID: <b>mb-60981</b>	SampT	ype: <b>ME</b>	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: <b>60</b> 9	981	F	RunNo: 7	9563				
Prep Date: 6/28/2021	Analysis D	ate: <b>7/</b>	2/2021	5	SeqNo: 2	798540	Units: %Red			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.93		1.000		92.6	70	130			
Sample ID: Ics-60981	SampT	ype: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Volat	iles		

Campic ID. ICS-00301	Campry	JC. LC	,5	103	loode. Li	A Metriou	OUZID. VOIAL	163		
Client ID: LCSS	Batch I	D: <b>60</b>	981	R	tunNo: 7	9563				
Prep Date: 6/28/2021	Analysis Da	te: <b>7</b> /	/2/2021	S	SeqNo: 2	798542	Units: %Rec	:		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.93		1.000	•	92.5	70	130	•	•	

Sample ID: mb-61112	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: <b>61</b> ′	112	F	RunNo: 7	9580				
Prep Date: 7/2/2021	Analysis D	Date: <b>7/</b>	6/2021	9	SeqNo: 2	799581	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								

#### Qualifiers:

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

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D64** 

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-61112 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 61112 RunNo: 79580

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799581 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual Surr: 4-Bromofluorobenzene 0.91 1.000 91.0 70 130

Sample ID: mb-61115 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 61115 RunNo: 79580

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SegNo: 2799582 Units: %Rec

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

Surr: 4-Bromofluorobenzene 0.95 1.000 94.5 70 130

Sample ID: Ics-61112 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS Batch ID: 61112 RunNo: 79580 Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799583 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result I owl imit 0.95 0.025 1.000 95.4 80 120 Benzene 0 95.5 80 120 Toluene 0.95 0.050 1.000 Ethylbenzene 0.97 0.050 1.000 0 96.8 80 120 0 Xylenes, Total 2.9 0.10 3.000 97.1 80 120 Surr: 4-Bromofluorobenzene 0.96 1.000 95.9 70 130

Sample ID: Ics-61115 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 61115 RunNo: 79580

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799584 Units: %Rec

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

 Surr: 4-Bromofluorobenzene
 0.92
 1.000
 92.2
 70
 130

 Sample ID: 2106D64-003ams
 SampType: MS
 TestCode: EPA Method 8021B: Volatiles

 Client ID: TP1-18
 Batch ID: 61112
 RunNo: 79580

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799585 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.84 0.023 0.9294 0 90.1 80 120 Benzene Toluene 0.87 0.046 0.9294 0 93.2 80 120 0 96.4 Ethylbenzene 0.90 0.046 0.9294 80 120 Xylenes, Total 2.7 0.093 2.788 0 96.7 80 120 Surr: 4-Bromofluorobenzene 0.85 0.9294 91.4 70 130

#### Qualifiers:

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

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D64** 

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

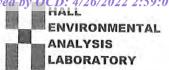
Sample ID: 2106D64-003am	sd SampT	ype: <b>MS</b>	SD	Tes						
Client ID: TP1-18	Batch	n ID: <b>61</b> ′	112	F	RunNo: <b>79580</b>					
Prep Date: <b>7/2/2021</b>	Analysis D	ate: <b>7/</b>	6/2021	S	SeqNo: 2	799587	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.023	0.9208	0	91.2	80	120	0.230	20	
Toluene	0.87	0.046	0.9208	0	94.0	80	120	0.0508	20	
Ethylbenzene	0.90	0.046	0.9208	0	97.6	80	120	0.331	20	
Xylenes, Total	2.7	0.092	2.762	0	98.1	80	120	0.560	20	
Surr: 4-Bromofluorobenzene	0.82		0.9208		89.5	70	130	0	0	

#### Qualifiers:

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

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

### Sample Log-In Check List

Client Name: GHD	Work Order Num	nber: 210	6D64		RcptNo: 1
Received By: Juan Rojas	6/25/2021 7:30:00	AM		Juan 3ng	
Completed By: Cheyenne Cason	6/25/2021 9:20:13	AM		(lead	
Reviewed By: JR 6/25/21				Que	
Chain of Custody					
1. Is Chain of Custody complete?		Yes	<b>V</b>	No 🗌	Not Present
2. How was the sample delivered?		Cou	rier		
Log In					
3. Was an attempt made to cool the samples?		Yes	<b>V</b>	No 🗌	NA 🗆
4. Were all samples received at a temperature	of >0° C to 6.0°C	Yes		No 🗸	NA 🗆
5. Sample(s) in proper container(s)?		Yes	Not F	No 🗌	
6. Sufficient sample volume for indicated test(s	)?	Yes	<b>V</b>	No 🗌	
7. Are samples (except VOA and ONG) proper	y preserved?	Yes	<b>V</b>	No 🗌	
8. Was preservative added to bottles?		Yes		No 🗸	NA 🗌
9. Received at least 1 vial with headspace <1/4	" for AQ VOA?	Yes		No 🗌	NA 🗸
10. Were any sample containers received broke	n?	Yes		No 🗸	
					# of preserved bottles checked
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	<b>V</b>	No 🗌	for pH: (<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes	<b>V</b>	No 🗆	Adjusted?
13. Is it clear what analyses were requested?		Yes	V	No 🗆	
14. Were all holding times able to be met?		Yes	<b>V</b>	No 🗌	Checked by: 6 25.21 TC.
(If no, notify customer for authorization.)					
Special Handling (if applicable)		400			
15. Was client notified of all discrepancies with t	his order?	Yes		No 🗔	NA 🗹
Person Notified:	Date				
By Whom:	Via:	□ еМа	ail 🗌	Phone Fax	In Person
Regarding:					
Client Instructions:					
16. Additional remarks:					
17. Cooler Information Cooler No Temp °C Condition Set 1 -1.1 Good	eal Intact   Seal No	Seal Da	ate	Signed By	

Main St. Suite 10g, Artesia NM 86210   Project Varies	Mainting Address:   Project Name;   Project	Chain-of-Custody Record	Turn-Around Time:	10/1
Mailing Address:   A	Mailing Address:   Mailing Add	Circuit		
Maining Address:   A	Mailing Address:   Compared   C	d to		
10   10   10   10   10   10   10   10	10   10   10   10   10   10   10   10		To La AT P. M.	allenvironmental.com
Becky Haskell@chid com	Becky Haskelligenad com	324 W. Main St. Suite 108,	Project #:	- Albuquerque, NM 87109
Becky Haskell Garbd com   Project Manager:   Becky Haskell Card Comino   Becky Haskell Card Comino   Becky Haskell Card Comino   Becky Haskell Card Card Card Card Card Card Card Card	Becky Haskell@old com	(505)377-4	112292211	505-345-3975 Fax 505-345-4107
Becky Haskell    Date Tree   4 (Full Velidation)   Ton Lerson   Becky Haskell   Date Tree   Az Compliance   Sampler: Zech Coming	Class   A (Full Validation)   Tom Larson	email or Fax#:	Project Manager:	Analysis Request
Matrix Sample Name Type and # Type Container Preservative HEAL No Englished by Type and # Type Container Preservative HEAL No Englished by Type Englished by Type Container Preservative HEAL No Englished by Type Container Type and # Type Container Type Container Type Container Type and # Type Container Typ	Description   Tom Larson   Sampler: Zach Comino   Sampler: Zach Co	QA/QC Package:	Becky Haskell	s SO. SO.
Other   Sampler   Zach Comino   Matrix   Sampler   Zach Comino   Matrix   Sampler   Matrix   Sampler   Matrix   Sampler   Matrix   Sampler   Matrix   Sampler   Matrix   Sampler   Matrix   Matrix   Sampler   Matrix   M	Matrix Sample Name Type and # Type CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC			Appendix Option of the Company of th
Date   Time   Matrix   Sample   Name   Type   The	Date   Time   Matrix   Sample   Name   Type   Typ			82 F (1) 2709 3., F
Time   Matrix   Sample   Name   Container   Preservative   HEAL No.   Container   Preservative   Container   Preservative   Container   Preservative   Container   Preservative   Container   Preservative   Container   Preservative   Preser	Time   Matrix   Sample   Name   Tooler   Toole	□ NELAC □	X Yes	/80 14: 16:83
Time   Matrix   Sample   Name   Type and # Type   Container   Preservative   Fig. 10   Container   Type and # Type   Container   Type   T	Time   Matrix   Sample   Name   Type and # Type	□ EDD (Type)		3868 1 50 0 0 0 1 50 1 50 1 50
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110C   ST   TP1-44	10c   S   TP1-4	Time Matrix	Preservative HEAL No	181 Pe 181 Pe 184 by 184 8 184 8 184 Br 185 Br 186 (VC
1245   TD1-18	1245   TP1-10   CCC	N	202017	80 82 82 82 82 82 82 82 82 82 82 82 82 82
1245   TD1-18   CCS	1245   TD1-18	01-1CIT 1 2111 A		N N
1245   TP2-2   CCS   C	1246   TP1-2C   CCS	Q.	700	
132c	132c	13	833	
130   TP2-10   CCC   C	1750   1722-10   1000		750	
1920   TP2-18	1720   172-16   2027		500	
1420   1722-18	142c   172-18		200	
1440 178-5  1440 178-5  1450 178-5  1460 178-5  1460 178-5  1470 178-5  1480 1	1440   1752-50   1760-1760	7	282	
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Time: Relinquished by: Received by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com; Along with Boo Relinquished by: Received by: Via: Date Time Becky Haskell listed above.    COUNTY   FINE   FINE   Processary, samples submitted to Hall Environmental may be subconfracted to pure accredited laboratories. This serves as notice of this possibility. Any sub-confracted data will be clearly notated on the analysis of the paralymorated and the analysis of the possibility. Any sub-confracted data will be clearly notated on the analysis of the possibility. Any sub-confracted data will be clearly notated on the analysis of the paralymorated by the analysis of the possibility.	Time: Relinquished by: Received by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com; Time: Relinquished by: Received by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com; Time: Relinquished by: Nia: Date Time Becky Haskell listed above.    Appl	1~	our	
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Received by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com;  Remarks: Please email: Chase_Settle@eogresources.com;  Time: Relinquished by: Via: Date Time Becky Haskell listed above.  Date Time Becky Haskell listed above.  Direct Bill to EOG Chase Settle	Received by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com;  Relinquished by: Received by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com;  Received by: Nia: Date Time Becky Haskell listed above.  Direct Bill to EOG Chase Settle  Direct Bill to EOG Chase Settle  Direct Bill to EOG Chase Settle  COUNTY (No. 1/2) 7 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	i d		
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If the contracted to the subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	If necessary, samples submitted to Hall Environmental may be subconfracted to other accredited laboratories. This serves as notice of this possibility. Any sub-confracted data will be clearly notated on the analytical report.	Time: Relinquished	Via: Date	
This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report	This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.	3	15-1817	EOG Chase Settle
		ii recessary, samples submitted to Hall Environmental may be subc		



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

July 09, 2021

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

**FAX** 

RE: Jackson AT Battery OrderNo.: 2106E36

#### Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 23 sample(s) on 6/26/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: **2106E36**Date Reported: **7/9/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-001 **Collection Date:** 6/24/2021 8:50:00 AM

Client Sample ID: TP4-2 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	rst: <b>VP</b>
Chloride	1400	61	mg/Kg	20	7/2/2021 1:40:55 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analy	st: SB
Diesel Range Organics (DRO)	12	9.6	mg/Kg	1	7/1/2021 5:16:00 AM	61003
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/1/2021 5:16:00 AM	61003
Surr: DNOP	95.3	70-130	%Rec	1	7/1/2021 5:16:00 AM	61003
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/3/2021 5:41:00 AM	60981
Surr: BFB	92.9	70-130	%Rec	1	7/3/2021 5:41:00 AM	60981
EPA METHOD 8021B: VOLATILES					Analy	st: <b>mb</b>
Benzene	ND	0.025	mg/Kg	1	7/3/2021 5:41:00 AM	60981
Toluene	ND	0.049	mg/Kg	1	7/3/2021 5:41:00 AM	60981
Ethylbenzene	ND	0.049	mg/Kg	1	7/3/2021 5:41:00 AM	60981
Xylenes, Total	ND	0.099	mg/Kg	1	7/3/2021 5:41:00 AM	60981
Surr: 4-Bromofluorobenzene	88.7	70-130	%Rec	1	7/3/2021 5:41:00 AM	60981

**Lab ID:** 2106E36-002 **Collection Date:** 6/24/2021 8:55:00 AM

Client Sample ID: TP4-6 Matrix: SOIL

Analyses	Result	RL Q	ual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: <b>VP</b>
Chloride	300	60	mg/Kg	20	7/2/2021 1:53:20 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	7/1/2021 6:03:23 AM	61003
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/1/2021 6:03:23 AM	61003
Surr: DNOP	111	70-130	%Rec	1	7/1/2021 6:03:23 AM	61003
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/3/2021 6:01:00 AM	60981
Surr: BFB	94.7	70-130	%Rec	1	7/3/2021 6:01:00 AM	60981
EPA METHOD 8021B: VOLATILES					Analys	t: <b>mb</b>
Benzene	ND	0.024	mg/Kg	1	7/3/2021 6:01:00 AM	60981
Toluene	ND	0.048	mg/Kg	1	7/3/2021 6:01:00 AM	60981
Ethylbenzene	ND	0.048	mg/Kg	1	7/3/2021 6:01:00 AM	60981
Xylenes, Total	ND	0.097	mg/Kg	1	7/3/2021 6:01:00 AM	60981
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	1	7/3/2021 6:01:00 AM	60981

Refer to the QC Summary 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

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

Page 1 of 28

Lab Order: **2106E36** 

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: **7/9/2021** 

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-003 **Collection Date:** 6/24/2021 9:15:00 AM

Client Sample ID: TP5-S Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Batch ID Analyses EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 7/2/2021 2:05:45 PM 61 61081 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.7 mg/Kg 7/1/2021 6:26:57 AM 61003 Motor Oil Range Organics (MRO) ND 7/1/2021 6:26:57 AM 61003 48 mg/Kg 1 Surr: DNOP 89.2 70-130 %Rec 7/1/2021 6:26:57 AM 61003 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 4.9 mg/Kg 1 7/3/2021 6:21:00 AM 60981 Surr: BFB 94.2 70-130 %Rec 1 7/3/2021 6:21:00 AM 60981 **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.024 mg/Kg 1 7/3/2021 6:21:00 AM 60981 Toluene ND 0.049 mg/Kg 1 7/3/2021 6:21:00 AM 60981 Ethylbenzene ND 7/3/2021 6:21:00 AM 0.049 mg/Kg 1 60981 Xylenes, Total ND 0.098 mg/Kg 7/3/2021 6:21:00 AM 60981 Surr: 4-Bromofluorobenzene 89.6 70-130 %Rec 7/3/2021 6:21:00 AM 60981

Refer to the QC Summary 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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-004 **Collection Date:** 6/24/2021 9:40:00 AM

Client Sample ID: TP5-2 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: <b>VP</b>
Chloride	ND	60	mg/Kg	20	7/2/2021 2:18:10 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analy	st: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/1/2021 6:50:33 AM	61003
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/1/2021 6:50:33 AM	61003
Surr: DNOP	109	70-130	%Rec	1	7/1/2021 6:50:33 AM	61003
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/3/2021 6:41:00 AM	60981
Surr: BFB	98.1	70-130	%Rec	1	7/3/2021 6:41:00 AM	60981
EPA METHOD 8021B: VOLATILES					Analy	st: <b>mb</b>
Benzene	ND	0.024	mg/Kg	1	7/3/2021 6:41:00 AM	60981
Toluene	ND	0.049	mg/Kg	1	7/3/2021 6:41:00 AM	60981
Ethylbenzene	ND	0.049	mg/Kg	1	7/3/2021 6:41:00 AM	60981
Xylenes, Total	ND	0.098	mg/Kg	1	7/3/2021 6:41:00 AM	60981
Surr: 4-Bromofluorobenzene	93.2	70-130	%Rec	1	7/3/2021 6:41:00 AM	60981

**Lab ID:** 2106E36-005 **Collection Date:** 6/24/2021 9:50:00 AM

Client Sample ID: TP6-S Matrix: SOIL

Analyses	Result	RL Q	ual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: <b>VP</b>
Chloride	ND	60	mg/Kg	20	7/2/2021 2:30:34 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	7/1/2021 7:14:20 AM	61003
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/1/2021 7:14:20 AM	61003
Surr: DNOP	94.9	70-130	%Rec	1	7/1/2021 7:14:20 AM	61003
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/3/2021 7:00:00 AM	60981
Surr: BFB	95.4	70-130	%Rec	1	7/3/2021 7:00:00 AM	60981
EPA METHOD 8021B: VOLATILES					Analys	t: <b>mb</b>
Benzene	ND	0.023	mg/Kg	1	7/3/2021 7:00:00 AM	60981
Toluene	ND	0.047	mg/Kg	1	7/3/2021 7:00:00 AM	60981
Ethylbenzene	ND	0.047	mg/Kg	1	7/3/2021 7:00:00 AM	60981
Xylenes, Total	ND	0.093	mg/Kg	1	7/3/2021 7:00:00 AM	60981
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	7/3/2021 7:00:00 AM	60981

Refer to the QC Summary 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

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

Page 3 of 28

Lab Order: **2106E36**Date Reported: **7/9/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-006 **Collection Date:** 6/24/2021 9:55:00 AM

Client Sample ID: TP6-2 Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Batch ID Analyses EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 7/2/2021 3:07:47 PM 570 59 61081 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.3 mg/Kg 7/1/2021 7:38:00 AM 61003 mg/Kg Motor Oil Range Organics (MRO) ND 47 7/1/2021 7:38:00 AM 61003 1 Surr: DNOP 114 70-130 %Rec 7/1/2021 7:38:00 AM 61003 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 4.6 mg/Kg 1 7/3/2021 8:00:00 AM 60981 Surr: BFB 95.8 70-130 %Rec 1 7/3/2021 8:00:00 AM 60981 **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.023 mg/Kg 1 7/3/2021 8:00:00 AM 60981 Toluene ND 0.046 mg/Kg 1 7/3/2021 8:00:00 AM 60981 Ethylbenzene ND 0.046 mg/Kg 1 7/3/2021 8:00:00 AM 60981 Xylenes, Total ND 0.092 mg/Kg 7/3/2021 8:00:00 AM 60981 Surr: 4-Bromofluorobenzene 91.5 70-130 %Rec 7/3/2021 8:00:00 AM 60981

Refer to the QC Summary 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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-007 **Collection Date:** 6/24/2021 10:05:00 AM

Client Sample ID: TP7-S Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: <b>VP</b>
Chloride	ND	60	mg/Kg	20	7/2/2021 3:20:11 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/1/2021 8:01:40 AM	61003
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/1/2021 8:01:40 AM	61003
Surr: DNOP	104	70-130	%Rec	1	7/1/2021 8:01:40 AM	61003
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/3/2021 8:20:00 AM	60981
Surr: BFB	101	70-130	%Rec	1	7/3/2021 8:20:00 AM	60981
EPA METHOD 8021B: VOLATILES					Analys	t: <b>mb</b>
Benzene	ND	0.025	mg/Kg	1	7/3/2021 8:20:00 AM	60981
Toluene	ND	0.049	mg/Kg	1	7/3/2021 8:20:00 AM	60981
Ethylbenzene	ND	0.049	mg/Kg	1	7/3/2021 8:20:00 AM	60981
Xylenes, Total	ND	0.098	mg/Kg	1	7/3/2021 8:20:00 AM	60981
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	7/3/2021 8:20:00 AM	60981

**Lab ID:** 2106E36-008 **Collection Date:** 6/24/2021 10:10:00 AM

Client Sample ID: TP7-2 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed I	Batch ID
EPA METHOD 300.0: ANIONS						Analys	st: <b>VP</b>
Chloride	160	60		mg/Kg	20	7/2/2021 3:32:36 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analys	st: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2021 8:25:19 AM	61003
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 8:25:19 AM	61003
Surr: DNOP	61.4	70-130	S	%Rec	1	7/1/2021 8:25:19 AM	61003
EPA METHOD 8015D: GASOLINE RANGE						Analys	st: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2021 8:40:00 AM	60981
Surr: BFB	97.8	70-130		%Rec	1	7/3/2021 8:40:00 AM	60981
EPA METHOD 8021B: VOLATILES						Analys	st: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	7/3/2021 8:40:00 AM	60981
Toluene	ND	0.049		mg/Kg	1	7/3/2021 8:40:00 AM	60981
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2021 8:40:00 AM	60981
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2021 8:40:00 AM	60981
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	7/3/2021 8:40:00 AM	60981

Refer to the QC Summary 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

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

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Lab Order: **2106E36** 

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/9/2021

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-009 **Collection Date:** 6/24/2021 10:20:00 AM

Client Sample ID: TP8-2 Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Batch ID Analyses EPA METHOD 300.0: ANIONS** Analyst: VP Chloride 7/2/2021 3:45:01 PM 1200 60 61081 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.6 mg/Kg 7/1/2021 8:48:58 AM 61003 Motor Oil Range Organics (MRO) ND 7/1/2021 8:48:58 AM 61003 48 mg/Kg 1 Surr: DNOP 112 70-130 %Rec 7/1/2021 8:48:58 AM 61003 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: mb Gasoline Range Organics (GRO) ND 4.8 mg/Kg 1 7/3/2021 9:00:00 AM 60981 Surr: BFB 96.7 70-130 %Rec 1 7/3/2021 9:00:00 AM 60981 **EPA METHOD 8021B: VOLATILES** Analyst: mb Benzene ND 0.024 mg/Kg 1 7/3/2021 9:00:00 AM 60981 Toluene ND 0.048 mg/Kg 1 7/3/2021 9:00:00 AM 60981 Ethylbenzene ND 0.048 mg/Kg 1 7/3/2021 9:00:00 AM 60981 Xylenes, Total ND 0.095 mg/Kg 7/3/2021 9:00:00 AM 60981 Surr: 4-Bromofluorobenzene 90.6 70-130 %Rec 7/3/2021 9:00:00 AM 60981

Refer to the QC Summary 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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-010 **Collection Date:** 6/24/2021 10:30:00 AM

Client Sample ID: TP8-6 Matrix: SOIL

=:=====================================							
Result	RL	Qual Units	DF	Date Analyzed H	Batch ID		
				Analys	st: <b>VP</b>		
1200	60	mg/Kg	20	7/2/2021 3:57:26 PM	61081		
				Analys	st: RAA		
ND	4.6	mg/Kg	1	7/2/2021 5:39:16 AM	60994		
98.6	70-130	%Rec	1	7/2/2021 5:39:16 AM	60994		
ANICS				Analys	st: <b>JME</b>		
ND	9.7	mg/Kg	1	7/1/2021 1:30:40 AM	61004		
ND	48	mg/Kg	1	7/1/2021 1:30:40 AM	61004		
76.8	70-130	%Rec	1	7/1/2021 1:30:40 AM	61004		
Т				Analys	st: RAA		
ND	0.023	mg/Kg	1	7/2/2021 5:39:16 AM	60994		
ND	0.046	mg/Kg	1	7/2/2021 5:39:16 AM	60994		
ND	0.046	mg/Kg	1	7/2/2021 5:39:16 AM	60994		
ND	0.093	mg/Kg	1	7/2/2021 5:39:16 AM	60994		
109	70-130	%Rec	1	7/2/2021 5:39:16 AM	60994		
102	70-130	%Rec	1	7/2/2021 5:39:16 AM	60994		
103	70-130	%Rec	1	7/2/2021 5:39:16 AM	60994		
104	70-130	%Rec	1	7/2/2021 5:39:16 AM	60994		
•	1200 E ND 98.6 ANICS ND ND 76.8 T ND ND ND ND ND ND 109 102 103	1200 60 E  ND 4.6 98.6 70-130  ANICS  ND 9.7 ND 48 76.8 70-130  T  ND 0.023 ND 0.046 ND 0.046 ND 0.093 109 70-130 102 70-130 103 70-130	1200 60 mg/Kg  E  ND 4.6 mg/Kg 98.6 70-130 %Rec  ANICS  ND 9.7 mg/Kg ND 48 mg/Kg 76.8 70-130 %Rec  T  ND 0.023 mg/Kg ND 0.046 mg/Kg ND 0.046 mg/Kg ND 0.046 mg/Kg ND 0.093 mg/Kg ND 0.093 mg/Kg ND 0.093 mg/Kg 109 70-130 %Rec 102 70-130 %Rec 103 70-130 %Rec	1200 60 mg/Kg 20  E  ND 4.6 mg/Kg 1 98.6 70-130 %Rec 1  ANICS  ND 9.7 mg/Kg 1 ND 48 mg/Kg 1 76.8 70-130 %Rec 1  T  ND 0.023 mg/Kg 1 ND 0.046 mg/Kg 1 ND 0.046 mg/Kg 1 ND 0.046 mg/Kg 1 ND 0.046 mg/Kg 1 ND 0.093 mg/Kg 1 109 70-130 %Rec 1 102 70-130 %Rec 1 103 70-130 %Rec 1	Analyse  1200 60 mg/Kg 20 7/2/2021 3:57:26 PM  E Analyse  ND 4.6 mg/Kg 1 7/2/2021 5:39:16 AM  98.6 70-130 %Rec 1 7/2/2021 5:39:16 AM  ANICS Analyse  ND 9.7 mg/Kg 1 7/1/2021 1:30:40 AM  ND 48 mg/Kg 1 7/1/2021 1:30:40 AM  76.8 70-130 %Rec 1 7/1/2021 1:30:40 AM  T Analyse  T Analyse  ND 0.023 mg/Kg 1 7/1/2021 1:30:40 AM  ND 0.046 mg/Kg 1 7/2/2021 5:39:16 AM  ND 0.046 mg/Kg 1 7/2/2021 5:39:16 AM  ND 0.046 mg/Kg 1 7/2/2021 5:39:16 AM  ND 0.093 %Rec 1 7/2/2021 5:39:16 AM  ND 70-130 %Rec 1 7/2/2021 5:39:16 AM  NO 70-130 %Rec 1 7/2/2021 5:39:16 AM		

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to 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

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

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Lab Order: **2106E36** 

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/9/2021

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-011 **Collection Date:** 6/24/2021 10:40:00 AM

Client Sample ID: TP8-10 Matrix: SOIL

Chent bumple 12.			11141112	• 50	, IL	
Analyses	Result	RL	Qual Units	DF	Date Analyzed l	Batch ID
EPA METHOD 300.0: ANIONS					Analys	st: <b>JMT</b>
Chloride	300	60	mg/Kg	20	7/2/2021 8:51:19 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE					Analys	st: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/2/2021 7:00:36 AM	60994
Surr: BFB	97.4	70-130	%Rec	1	7/2/2021 7:00:36 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analys	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	8.1	mg/Kg	1	7/1/2021 2:43:56 AM	61004
Motor Oil Range Organics (MRO)	ND	40	mg/Kg	1	7/1/2021 2:43:56 AM	61004
Surr: DNOP	71.5	70-130	%Rec	1	7/1/2021 2:43:56 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>					Analys	st: RAA
Benzene	ND	0.024	mg/Kg	1	7/2/2021 7:00:36 AM	60994
Toluene	ND	0.047	mg/Kg	1	7/2/2021 7:00:36 AM	60994
Ethylbenzene	ND	0.047	mg/Kg	1	7/2/2021 7:00:36 AM	60994
Xylenes, Total	ND	0.095	mg/Kg	1	7/2/2021 7:00:36 AM	60994
Surr: 1,2-Dichloroethane-d4	109	70-130	%Rec	1	7/2/2021 7:00:36 AM	60994
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	7/2/2021 7:00:36 AM	60994
Surr: Dibromofluoromethane	109	70-130	%Rec	1	7/2/2021 7:00:36 AM	60994
Surr: Toluene-d8	103	70-130	%Rec	1	7/2/2021 7:00:36 AM	60994

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
- 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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-012 **Collection Date:** 6/24/2021 10:55:00 AM

Client Sample ID: TP9-2 Matrix: SOIL

Cheme Sumple 12.			11141112	• 50	, IL	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analys	st: <b>JMT</b>
Chloride	1200	60	mg/Kg	20	7/2/2021 9:03:44 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE					Analys	st: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	7/2/2021 8:22:20 AM	60994
Surr: BFB	103	70-130	%Rec	1	7/2/2021 8:22:20 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analys	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	7/1/2021 3:08:12 AM	61004
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/1/2021 3:08:12 AM	61004
Surr: DNOP	85.2	70-130	%Rec	1	7/1/2021 3:08:12 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>					Analys	st: RAA
Benzene	ND	0.025	mg/Kg	1	7/2/2021 8:22:20 AM	60994
Toluene	ND	0.050	mg/Kg	1	7/2/2021 8:22:20 AM	60994
Ethylbenzene	ND	0.050	mg/Kg	1	7/2/2021 8:22:20 AM	60994
Xylenes, Total	ND	0.10	mg/Kg	1	7/2/2021 8:22:20 AM	60994
Surr: 1,2-Dichloroethane-d4	111	70-130	%Rec	1	7/2/2021 8:22:20 AM	60994
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	7/2/2021 8:22:20 AM	60994
Surr: Dibromofluoromethane	108	70-130	%Rec	1	7/2/2021 8:22:20 AM	60994
Surr: Toluene-d8	105	70-130	%Rec	1	7/2/2021 8:22:20 AM	60994

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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-013 **Collection Date:** 6/24/2021 11:10:00 AM

Client Sample ID: TP9-10 Matrix: SOIL

**Analyses** Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 1400 59 7/2/2021 9:16:08 AM 61086 mg/Kg 20 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 4.9 7/2/2021 8:49:28 AM 60994 mg/Kg 1 Surr: BFB 101 70-130 %Rec 1 7/2/2021 8:49:28 AM 60994 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 9.4 mg/Kg 7/1/2021 3:32:25 AM 61004 1 Motor Oil Range Organics (MRO) 61004 ND 47 mg/Kg 1 7/1/2021 3:32:25 AM Surr: DNOP 73.2 70-130 %Rec 7/1/2021 3:32:25 AM 61004 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 0.025 7/2/2021 8:49:28 AM 60994 mg/Kg 1 Toluene ND 0.049 mg/Kg 1 7/2/2021 8:49:28 AM 60994 Ethylbenzene ND 0.049 mg/Kg 1 7/2/2021 8:49:28 AM 60994 Xylenes, Total ND 0.098 mg/Kg 1 7/2/2021 8:49:28 AM 60994 Surr: 1,2-Dichloroethane-d4 119 70-130 %Rec 1 7/2/2021 8:49:28 AM 60994 Surr: 4-Bromofluorobenzene 104 70-130 %Rec 7/2/2021 8:49:28 AM 60994 Surr: Dibromofluoromethane 107 70-130 %Rec 7/2/2021 8:49:28 AM 60994 1 Surr: Toluene-d8 106 70-130 %Rec 7/2/2021 8:49:28 AM 60994

Refer to the QC Summary 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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-014 **Collection Date:** 6/24/2021 12:55:00 PM

Client Sample ID: TP9-17 Matrix: SOIL

			1,100,111			
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: MRA
Chloride	2400	150	mg/Kg	50	7/6/2021 10:44:35 AM	<i>l</i> 61086
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>					Analy	st: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/2/2021 9:16:37 AM	60994
Surr: BFB	101	70-130	%Rec	1	7/2/2021 9:16:37 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analy	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	7/1/2021 3:56:40 AM	61004
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/1/2021 3:56:40 AM	61004
Surr: DNOP	78.5	70-130	%Rec	1	7/1/2021 3:56:40 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>					Analy	st: RAA
Benzene	ND	0.025	mg/Kg	1	7/2/2021 9:16:37 AM	60994
Toluene	ND	0.049	mg/Kg	1	7/2/2021 9:16:37 AM	60994
Ethylbenzene	ND	0.049	mg/Kg	1	7/2/2021 9:16:37 AM	60994
Xylenes, Total	ND	0.099	mg/Kg	1	7/2/2021 9:16:37 AM	60994
Surr: 1,2-Dichloroethane-d4	113	70-130	%Rec	1	7/2/2021 9:16:37 AM	60994
Surr: 4-Bromofluorobenzene	108	70-130	%Rec	1	7/2/2021 9:16:37 AM	60994
Surr: Dibromofluoromethane	105	70-130	%Rec	1	7/2/2021 9:16:37 AM	60994
Surr: Toluene-d8	105	70-130	%Rec	1	7/2/2021 9:16:37 AM	60994

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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 1/9/2021

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-015 **Collection Date:** 6/24/2021 1:05:00 PM

Client Sample ID: TP9-20 Matrix: SOIL

- · · · · · · · · · · · · · · · · · · ·						
Analyses	Result	RL Q	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: <b>JMT</b>
Chloride	1500	60	mg/Kg	20	7/2/2021 9:40:56 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE					Analy	st: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/2/2021 9:43:44 AM	60994
Surr: BFB	98.6	70-130	%Rec	1	7/2/2021 9:43:44 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analy	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/1/2021 4:21:02 AM	61004
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/1/2021 4:21:02 AM	61004
Surr: DNOP	76.8	70-130	%Rec	1	7/1/2021 4:21:02 AM	61004
EPA METHOD 8260B: VOLATILES SHORT LIST					Analy	st: RAA
Benzene	ND	0.025	mg/Kg	1	7/2/2021 9:43:44 AM	60994
Toluene	ND	0.049	mg/Kg	1	7/2/2021 9:43:44 AM	60994
Ethylbenzene	ND	0.049	mg/Kg	1	7/2/2021 9:43:44 AM	60994
Xylenes, Total	ND	0.099	mg/Kg	1	7/2/2021 9:43:44 AM	60994
Surr: 1,2-Dichloroethane-d4	117	70-130	%Rec	1	7/2/2021 9:43:44 AM	60994
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	7/2/2021 9:43:44 AM	60994
Surr: Dibromofluoromethane	108	70-130	%Rec	1	7/2/2021 9:43:44 AM	60994
Surr: Toluene-d8	102	70-130	%Rec	1	7/2/2021 9:43:44 AM	60994

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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-016 **Collection Date:** 6/24/2021 1:20:00 PM

Client Sample ID: TP10-S Matrix: SOIL

**Analyses** Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride ND 60 7/2/2021 9:53:20 AM 61086 mg/Kg 20 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 4.8 7/2/2021 10:10:55 AM 60994 mg/Kg 1 Surr: BFB 99.6 70-130 %Rec 1 7/2/2021 10:10:55 AM 60994 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 9.6 mg/Kg 7/1/2021 4:45:21 AM 61004 1 Motor Oil Range Organics (MRO) 61004 ND 48 mg/Kg 1 7/1/2021 4:45:21 AM Surr: DNOP 47.2 70-130 S %Rec 7/1/2021 4:45:21 AM 61004 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 0.024 7/2/2021 10:10:55 AM 60994 mg/Kg 1 Toluene ND 0.048 mg/Kg 1 7/2/2021 10:10:55 AM 60994 Ethylbenzene ND 0.048 mg/Kg 1 7/2/2021 10:10:55 AM 60994 Xylenes, Total ND 0.096 mg/Kg 1 7/2/2021 10:10:55 AM 60994 Surr: 1,2-Dichloroethane-d4 114 70-130 %Rec 1 7/2/2021 10:10:55 AM 60994 Surr: 4-Bromofluorobenzene 102 70-130 %Rec 7/2/2021 10:10:55 AM 60994 Surr: Dibromofluoromethane 109 70-130 %Rec 7/2/2021 10:10:55 AM 1 60994 Surr: Toluene-d8 105 70-130 %Rec 7/2/2021 10:10:55 AM 60994

Refer to the QC Summary 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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-017 **Collection Date:** 6/24/2021 1:30:00 PM

Client Sample ID: TP10-2 Matrix: SOIL

Chempio 22 · Cara a					• ~ ~		
Analyses	Result	RL	Qual	Units	DF	Date Analyzed 1	Batch ID
EPA METHOD 300.0: ANIONS						Analys	st: <b>JMT</b>
Chloride	160	60		mg/Kg	20	7/2/2021 10:55:23 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Analys	st: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 10:38:06 AM	60994
Surr: BFB	100	70-130		%Rec	1	7/2/2021 10:38:06 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Analys	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/1/2021 5:09:40 AM	61004
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/1/2021 5:09:40 AM	61004
Surr: DNOP	32.7	70-130	S	%Rec	1	7/1/2021 5:09:40 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Analys	st: RAA
Benzene	ND	0.025		mg/Kg	1	7/2/2021 10:38:06 AM	60994
Toluene	ND	0.050		mg/Kg	1	7/2/2021 10:38:06 AM	60994
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 10:38:06 AM	60994
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 10:38:06 AM	60994
Surr: 1,2-Dichloroethane-d4	114	70-130		%Rec	1	7/2/2021 10:38:06 AM	60994
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/2/2021 10:38:06 AM	60994
Surr: Dibromofluoromethane	106	70-130		%Rec	1	7/2/2021 10:38:06 AM	60994
Surr: Toluene-d8	105	70-130		%Rec	1	7/2/2021 10:38:06 AM	60994

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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-018 **Collection Date:** 6/24/2021 1:40:00 PM

Client Sample ID: TP11-S Matrix: SOIL

Cheme Sumple 12.				111441121		/IL	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analy	st: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/2/2021 11:32:35 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Analys	st: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 11:05:17 AM	60994
Surr: BFB	98.2	70-130		%Rec	1	7/2/2021 11:05:17 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Analys	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/1/2021 5:33:55 AM	61004
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 5:33:55 AM	61004
Surr: DNOP	53.9	70-130	S	%Rec	1	7/1/2021 5:33:55 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Analys	st: RAA
Benzene	ND	0.024		mg/Kg	1	7/2/2021 11:05:17 AM	60994
Toluene	ND	0.049		mg/Kg	1	7/2/2021 11:05:17 AM	60994
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 11:05:17 AM	60994
Xylenes, Total	ND	0.098		mg/Kg	1	7/2/2021 11:05:17 AM	60994
Surr: 1,2-Dichloroethane-d4	115	70-130		%Rec	1	7/2/2021 11:05:17 AM	60994
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	7/2/2021 11:05:17 AM	60994
Surr: Dibromofluoromethane	107	70-130		%Rec	1	7/2/2021 11:05:17 AM	60994
Surr: Toluene-d8	104	70-130		%Rec	1	7/2/2021 11:05:17 AM	60994

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

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

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**CLIENT:** 

**Analytical Report** 

Lab Order: **2106E36**Date Reported: **7/9/2021** 

# Hall Environmental Analysis Laboratory, Inc.

2106E36

Lab Order:

**Project:** Jackson AT Battery

GHD Midland

**Lab ID:** 2106E36-019 **Collection Date:** 6/24/2021 1:45:00 PM

Client Sample ID: TP11-2 Matrix: SOIL

			Matrix	: 50	IL .		
Result	RL	Qual	Units	DF	Date Analyzed	Batch ID	
					An	alyst: <b>JMT</b>	
130	60		mg/Kg	20	7/2/2021 11:45:00	AM 61086	
į					An	alyst: <b>RAA</b>	
ND	4.9		mg/Kg	1	7/2/2021 11:32:31	AM 60994	
98.9	70-130		%Rec	1	7/2/2021 11:32:31	AM 60994	
ANICS					An	alyst: <b>JME</b>	
ND	9.5		mg/Kg	1	7/1/2021 5:58:16 A	AM 61004	
ND	48		mg/Kg	1	7/1/2021 5:58:16 A	AM 61004	
40.8	70-130	S	%Rec	1	7/1/2021 5:58:16 A	AM 61004	
Г					An	alyst: <b>RAA</b>	
ND	0.024		mg/Kg	1	7/2/2021 11:32:31	AM 60994	
ND	0.049		mg/Kg	1	7/2/2021 11:32:31	AM 60994	
ND	0.049		mg/Kg	1	7/2/2021 11:32:31	AM 60994	
ND	0.097		mg/Kg	1	7/2/2021 11:32:31	AM 60994	
115	70-130		%Rec	1	7/2/2021 11:32:31	AM 60994	
101	70-130		%Rec	1	7/2/2021 11:32:31	AM 60994	
110	70-130		%Rec	1	7/2/2021 11:32:31	AM 60994	
104	70-130		%Rec	1	7/2/2021 11:32:31	AM 60994	
	130 E ND 98.9 ANICS ND ND 40.8 T ND ND ND ND ND ND 115 101 110	130 60  E  ND 4.9 98.9 70-130  ANICS  ND 9.5 ND 48 40.8 70-130  T  ND 0.024 ND 0.049 ND 0.049 ND 0.049 ND 0.097 115 70-130 101 70-130 110 70-130	130 60  IND 4.9 98.9 70-130  ANICS  ND 9.5 ND 48 40.8 70-130 S  T  ND 0.024 ND 0.049 ND 0.049 ND 0.049 ND 0.097 115 70-130 101 70-130 110 70-130	Result         RL         Qual         Units           130         60         mg/Kg           :         ND         4.9         mg/Kg           98.9         70-130         %Rec           ANICS         ND         9.5         mg/Kg           ND         48         mg/Kg           40.8         70-130         S         %Rec           I         ND         0.024         mg/Kg           ND         0.049         mg/Kg           ND         0.049         mg/Kg           ND         0.097         mg/Kg           ND         0.097         mg/Kg           ND         0.097         %Rec           101         70-130         %Rec           101         70-130         %Rec           110         70-130         %Rec	Result         RL         Qual         Units         DF           130         60         mg/Kg         20           :         ND         4.9         mg/Kg         1           98.9         70-130         %Rec         1           ANICS         ND         9.5         mg/Kg         1           ND         48         mg/Kg         1           40.8         70-130         S         %Rec         1           ND         0.024         mg/Kg         1           ND         0.049         mg/Kg         1           ND         0.049         mg/Kg         1           ND         0.097         mg/Kg         1           ND         0.097         mg/Kg         1           101         70-130         %Rec         1           101         70-130         %Rec         1           101         70-130         %Rec         1	An:  130 60 mg/Kg 20 7/2/2021 11:45:00  E	Result         RL         Qual         Units         DF         Date Analyzed         Batch ID           Analyst: JMT           130         60         mg/Kg         20         7/2/2021 11:45:00 AM         61086           Enalyst: RAA           ND         4.9         mg/Kg         1         7/2/2021 11:32:31 AM         60994           98.9         70-130         %Rec         1         7/2/2021 11:32:31 AM         60994           ANICS         Analyst: JME           ND         9.5         mg/Kg         1         7/1/2021 5:58:16 AM         61004           ND         48         mg/Kg         1         7/1/2021 5:58:16 AM         61004           40.8         70-130         S         %Rec         1         7/1/2021 5:58:16 AM         61004           MD         0.024         mg/Kg         1         7/2/2021 5:58:16 AM         61004           ND         0.024         mg/Kg         1         7/2/2021 11:32:31 AM         60994           ND         0.049         mg/Kg         1         7/2/2021 11:32:31 AM         60994           ND         0.049         mg/Kg         1         7/2/2021 11:32:31 AM         60994

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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-020 **Collection Date:** 6/24/2021 1:55:00 PM

Client Sample ID: TP12-S Matrix: SOIL

•				Manix	. 50	AL.	
Analyses Re	sult	RL	Qual	Units	DF	Date Analyzed l	Batch ID
EPA METHOD 300.0: ANIONS						Analys	st: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/2/2021 11:57:24 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Analys	st: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/2/2021 11:59:45 AM	60994
Surr: BFB	100	70-130		%Rec	1	7/2/2021 11:59:45 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS	S					Analys	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/1/2021 6:22:31 AM	61004
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/1/2021 6:22:31 AM	61004
Surr: DNOP	45.7	70-130	S	%Rec	1	7/1/2021 6:22:31 AM	61004
EPA METHOD 8260B: VOLATILES SHORT LIST						Analys	st: RAA
Benzene	ND	0.024		mg/Kg	1	7/2/2021 11:59:45 AM	60994
Toluene	ND	0.047		mg/Kg	1	7/2/2021 11:59:45 AM	60994
Ethylbenzene	ND	0.047		mg/Kg	1	7/2/2021 11:59:45 AM	60994
Xylenes, Total	ND	0.095		mg/Kg	1	7/2/2021 11:59:45 AM	60994
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	7/2/2021 11:59:45 AM	60994
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	7/2/2021 11:59:45 AM	60994
Surr: Dibromofluoromethane	112	70-130		%Rec	1	7/2/2021 11:59:45 AM	60994
Surr: Toluene-d8	107	70-130		%Rec	1	7/2/2021 11:59:45 AM	60994

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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-021 **Collection Date:** 6/24/2021 2:00:00 PM

Client Sample ID: TP12-2 Matrix: SOIL

Cheff Sample ID. 11 12 2				Matila	. 50	, iL	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed l	Batch ID
EPA METHOD 300.0: ANIONS						Analys	st: <b>JMT</b>
Chloride	330	60		mg/Kg	20	7/2/2021 12:09:48 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Analys	st: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Surr: BFB	102	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Analys	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2021 6:46:59 AM	61004
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 6:46:59 AM	61004
Surr: DNOP	33.8	70-130	S	%Rec	1	7/1/2021 6:46:59 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Analys	st: RAA
Benzene	ND	0.025		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Toluene	ND	0.049		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994
Surr: Toluene-d8	107	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994

Refer to the QC Summary 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

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

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Lab Order: **2106E36**Date Reported: **7/9/2021** 

# Hall Environmental Analysis Laboratory, Inc.

-

2106E36

Lab Order:

CLIENT: GHD Midland
Project: Jackson AT Battery

**Lab ID:** 2106E36-022 **Collection Date:** 6/24/2021 2:15:00 PM

Client Sample ID: TP13-S Matrix: SOIL

Chent Sample ID: 1715-5				Matrix	: 50	IL .	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Ana	alyst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/2/2021 12:22:12	PM 61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Ana	alyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 12:54:21	PM 60994
Surr: BFB	101	70-130		%Rec	1	7/2/2021 12:54:21	PM 60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Ana	alyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/1/2021 7:11:13 A	M 61004
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/1/2021 7:11:13 A	M 61004
Surr: DNOP	42.1	70-130	S	%Rec	1	7/1/2021 7:11:13 A	M 61004
EPA METHOD 8260B: VOLATILES SHORT LIST	Г					Ana	alyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/2/2021 12:54:21	PM 60994
Toluene	ND	0.050		mg/Kg	1	7/2/2021 12:54:21	PM 60994
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 12:54:21	PM 60994
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 12:54:21	PM 60994
Surr: 1,2-Dichloroethane-d4	122	70-130		%Rec	1	7/2/2021 12:54:21	PM 60994
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/2/2021 12:54:21	PM 60994
Surr: Dibromofluoromethane	112	70-130		%Rec	1	7/2/2021 12:54:21	PM 60994
Surr: Toluene-d8	105	70-130		%Rec	1	7/2/2021 12:54:21	PM 60994

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

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

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Lab Order: **2106E36** 

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: **7/9/2021** 

CLIENT: GHD Midland Lab Order: 2106E36

**Project:** Jackson AT Battery

**Lab ID:** 2106E36-023 **Collection Date:** 6/24/2021 2:30:00 PM

Client Sample ID: TP13-2 Matrix: SOIL

Chefit Sample 1D. 11 13 2				Matrix	. 50	/IL	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analy	st: <b>JMT</b>
Chloride	310	60		mg/Kg	20	7/2/2021 12:34:37 PM	A 61086
EPA METHOD 8015D MOD: GASOLINE RAN	GE					Analy	st: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 1:21:41 PM	60994
Surr: BFB	101	70-130		%Rec	1	7/2/2021 1:21:41 PM	60994
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analy	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	7/1/2021 7:35:29 AM	61004
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/1/2021 7:35:29 AM	61004
Surr: DNOP	41.7	70-130	S	%Rec	1	7/1/2021 7:35:29 AM	61004
EPA METHOD 8260B: VOLATILES SHORT L	IST					Analy	st: RAA
Benzene	ND	0.024		mg/Kg	1	7/2/2021 1:21:41 PM	60994
Toluene	ND	0.048		mg/Kg	1	7/2/2021 1:21:41 PM	60994
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 1:21:41 PM	60994
Xylenes, Total	ND	0.097		mg/Kg	1	7/2/2021 1:21:41 PM	60994
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	7/2/2021 1:21:41 PM	60994
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/2/2021 1:21:41 PM	60994
Surr: Dibromofluoromethane	112	70-130		%Rec	1	7/2/2021 1:21:41 PM	60994
Surr: Toluene-d8	109	70-130		%Rec	1	7/2/2021 1:21:41 PM	60994

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
- 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

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

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## Hall Environmental Analysis Laboratory, Inc.

09-Jul-21

2106E36

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-61081 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 61081 RunNo: 79497

Prep Date: 7/1/2021 Analysis Date: 7/1/2021 SeqNo: 2796217 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-61081 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 61081 RunNo: 79497

Prep Date: 7/1/2021 Analysis Date: 7/1/2021 SeqNo: 2796218 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.3 90 110

Sample ID: MB-61086 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 61086 RunNo: 79568

Prep Date: **7/1/2021** Analysis Date: **7/2/2021** SeqNo: **2797960** Units: **mg/Kg** 

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

Chloride ND 1.5

Sample ID: LCS-61086 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 61086 RunNo: 79568

Prep Date: 7/1/2021 Analysis Date: 7/2/2021 SeqNo: 2797961 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.3 90 110

## Qualifiers:

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

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E36** 

09-Jul-21

Project:	Jackson AT Batter
Client:	GHD Midland

Sample ID: MB-61004	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: PBS	Batch	n ID: <b>61</b>	004	F	RunNo: <b>7</b> 9	9496				
Prep Date: 6/29/2021	Analysis D	ate: 7/	1/2021	S	SeqNo: 2	794892	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		77.6	70	130			
Sample ID: LCS-61004	SampT	ype: <b>LC</b>	s	Tes	tCode: EI	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: LCSS	Batch	n ID: <b>61</b>	004	F	RunNo: <b>7</b> 9	9496				
Prep Date: 6/29/2021	Analysis D	ate: 7/	1/2021	S	SeqNo: 2	794894	Units: mg/K	(g		
Prep Date: <b>6/29/2021</b> Analyte	Analysis D Result	oate: <b>7/</b> PQL		SPK Ref Val	SeqNo: 2° %REC	794894 LowLimit	Units: mg/K HighLimit	( <b>g</b> %RPD	RPDLimit	Qual
,	,	-			•		•	-	RPDLimit	Qual
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	-	RPDLimit	Qual S

Campic ID. 2100E30-010AillO	Campi	ypo. Wio	,	100	loode. Li	Ailictiou	00 13N1/D. DI	caci italigi	Organics	
Client ID: TP8-6	Batch	ID: <b>61</b> 0	004	F	RunNo: 7	9496				
Prep Date: 6/29/2021	Analysis D	ate: <b>7/</b>	1/2021	5	SeqNo: 2	794934	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.8	48.88	0	94.7	15	184			
Surr: DNOP	3.4		4.888		69.6	70	130			S

Sample ID: 2106E36-010AMS	<b>D</b> SampT	уре: М\$	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: TP8-6	Batch	ID: <b>61</b>	004	F	RunNo: <b>7</b> 9	9496				
Prep Date: 6/29/2021	Analysis D	ate: <b>7/</b>	1/2021	8	SeqNo: 2	794936	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.3	46.34	0	97.2	15	184	2.68	23.9	
Surr: DNOP	3.2		4.634		69.8	70	130	0	0	S

Sample ID: MB-61003	SampT	ype: <b>ME</b>	BLK	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	ID: <b>61</b> 0	003	F	RunNo: <b>7</b> 9	9521				
Prep Date: 6/29/2021	Analysis D	ate: <b>6/</b> 3	30/2021	8	SeqNo: 27	796477	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	70	130			

## Qualifiers:

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

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E36** 

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-61003 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 61003 RunNo: 79521

Prep Date: 6/29/2021 Analysis Date: 6/30/2021 SeqNo: 2796478 Units: mg/Kg

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

 Diesel Range Organics (DRO)
 44
 10
 50.00
 0
 88.1
 68.9
 141

 Surr: DNOP
 4.7
 5.000
 94.5
 70
 130

#### Qualifiers:

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

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E36** 

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-60981 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 60981 RunNo: 79563

Prep Date: 6/28/2021 Analysis Date: 7/2/2021 SeqNo: 2798482 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 970 1000 96.7 70 130

Sample ID: Ics-60981 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **LCSS** Batch ID: **60981** RunNo: **79563** 

Prep Date: 6/28/2021 Analysis Date: 7/2/2021 SeqNo: 2798484 Units: mg/Kg

**RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD Qual Gasoline Range Organics (GRO) 5.0 25.00 O 99.6 78.6 131

Surr: BFB 1100 1000 114 70 130

Sample ID: mb-61115 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 61115 RunNo: 79580

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SeqNo: 2799569 Units: %Rec

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

Surr: BFB 1000 1000 100 70 130

Sample ID: Ics-61115 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 61115 RunNo: 79580

Prep Date: 7/2/2021 Analysis Date: 7/6/2021 SegNo: 2799571 Units: %Rec

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

Surr: BFB 1100 1000 107 70 130

## Qualifiers:

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

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E36** 

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: <b>mb-60981</b>	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	n ID: <b>60</b> 9	981	F	RunNo: <b>7</b>	9563				
Prep Date: 6/28/2021	Analysis D	Date: 7/	2/2021	5	SeqNo: 2	798540	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.6	70	130			

Sample ID: Ics-60981	Sampı	ype: LC	S	res	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: <b>60</b> 9	981	F	RunNo: <b>7</b> 9	9563				
Prep Date: 6/28/2021	Analysis D	oate: <b>7/</b>	2/2021	8	SeqNo: 2	798542	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	80	120			
Toluene	0.97	0.050	1.000	0	96.5	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.1	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.5	70	130			

Sample ID: mb-61115	SampT	уре: М	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: <b>61</b>	115	F	RunNo: 7	9580				
Prep Date: 7/2/2021	Analysis D	ate: 7/	/6/2021	\$	SeqNo: 2	799582	Units: %Red	;		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.95		1.000		94.5	70	130			

Sample ID: Ics-61115	SampT	ype: <b>LC</b>	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	1D: <b>61</b>	115	F	RunNo: 7	9580				
Prep Date: 7/2/2021	Analysis D	ate: 7/	6/2021	S	SeqNo: 2	799584	Units: %Red	3		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.92		1.000		92.2	70	130			

### Qualifiers:

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

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E36** 

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2106e36-011ams	SampT	уре: <b>М</b> S	64	TestCode: EPA Method 8260B: Volatiles Short Lis						
Client ID: TP8-10	Batcl	h ID: <b>60</b> 9	994	F	RunNo: 7	9523				
Prep Date: 6/29/2021	Analysis D	Date: <b>7/</b>	2/2021	\$	SeqNo: 2	798982	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9862	0	104	73.5	138			
Toluene	0.96	0.049	0.9862	0.007704	96.3	83	131			
Ethylbenzene	1.0	0.049	0.9862	0	102	84.9	132			
Xylenes, Total	2.9	0.099	2.959	0	99.6	79.6	144			
Surr: 1,2-Dichloroethane-d4	0.56		0.4931		114	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.4931		99.3	70	130			
Surr: Dibromofluoromethane	0.53		0.4931		108	70	130			
Surr: Toluene-d8	0.50		0.4931		101	70	130			

Sample ID: 2106e36-011amsd	Samp	Гуре: М	SD4	Tes	tCode: El	tiles Short	List			
Client ID: TP8-10	Batc	h ID: <b>60</b> 9	994	F	RunNo: 7	9523				
Prep Date: 6/29/2021	Analysis [	Date: <b>7/</b>	2/2021	9	SeqNo: 2	798983	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9990	0	102	73.5	138	0.312	20	
Toluene	0.99	0.050	0.9990	0.007704	98.0	83	131	2.98	20	
Ethylbenzene	0.99	0.050	0.9990	0	98.6	84.9	132	1.83	20	
Xylenes, Total	2.9	0.10	2.997	0	98.0	79.6	144	0.239	20	
Surr: 1,2-Dichloroethane-d4	0.57		0.4995		114	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.51		0.4995		102	70	130	0	0	
Surr: Dibromofluoromethane	0.54		0.4995		108	70	130	0	0	
Surr: Toluene-d8	0.51		0.4995		102	70	130	0	0	

Sample ID: Ics-60994	SampT	ype: <b>LC</b>	S4	Test	tCode: <b>EF</b>	PA Method	8260B: Volat	iles Short	List	
Client ID: BatchQC	Batch	n ID: <b>60</b> 9	994	R	tunNo: <b>7</b> 9	9523				
Prep Date: 6/29/2021	Analysis D	ate: <b>7/</b> 2	2/2021	S	SeqNo: 27	799002	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	0.99	0.050	1.000	0	99.5	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.8	80	120			
Surr: 1,2-Dichloroethane-d4	0.57		0.5000		113	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.52		0.5000		105	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

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E36** 

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: <b>mb-60994</b>	Samp <sup>-</sup>	Гуре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batc	h ID: <b>60</b>	994	F	RunNo: <b>7</b>	9523				
Prep Date: 6/29/2021	Analysis [	Date: <b>7/</b>	2/2021	S	SeqNo: 2	799003	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 1,2-Dichloroethane-d4	0.56		0.5000		112	70	130			
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.52		0.5000		103	70	130			

## Qualifiers:

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

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E36** 

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2106e36-010ams	SampT	ype: <b>MS</b>	3	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	
Client ID: TP8-6	Batch	1D: <b>60</b> 9	994	F	RunNo: <b>7</b> 9	9523				
Prep Date: 6/29/2021	Analysis D	ate: 7/	2/2021	\$	SeqNo: 2	799007	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.30	1.402	85.7	64.4	124			
Surr: BFB	470		485.9		96.8	70	130			
Sample ID: 2106e36-010amsd	SampT	vpe: MS	SD.	Tes	tCode: El	PA Method	8015D Mod:	Gasoline	Range	

Sample ID: 2106e36-010amsd	SampT	ype: <b>MS</b>	SD	Test	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID: TP8-6	Batch	1D: <b>60</b>	994	R	RunNo: <b>7</b> 9	9523				
Prep Date: 6/29/2021	Analysis D	ate: 7/	2/2021	S	SeqNo: 2	799008	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	23.76	1.402	85.6	64.4	124	2.25	20	
Surr: BFB	460		475.3		97.0	70	130	0	0	

Sample ID: LCS-60994	SampT	ype: <b>LC</b>	S	Test	tCode: El	PA Method	8015D Mod:	Gasoline l	Range	
Client ID: LCSS	Batch	ID: 609	994	R	tunNo: <b>7</b>	9523				
Prep Date: 6/29/2021	Analysis D	ate: <b>7/</b>	2/2021	S	SeqNo: 2	799028	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.1	70	130			
Surr: BFB	500		500.0		101	70	130			

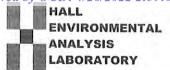
Sample ID: <b>mb-60994</b>	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015D Mod:	Gasoline I	Range	
Client ID: PBS	Batch	n ID: <b>60</b>	994	F	tunNo: <b>7</b> 9	9523				
Prep Date: 6/29/2021	Analysis D	ate: 7/	2/2021	S	SeqNo: 2	799029	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	490		500.0		98.0	70	130			

### Qualifiers:

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

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

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

С	lient Name:	GHD		Work	Order Nun	nber: 210	6E36		RcptNo: 1	
Re	eceived By:	Juan Roj	as	6/26/20	21 8:30:00	AM		Grandy Chal		
Co	mpleted By:	Cheyenn	e Cason	6/26/20	21 10:16:0	3 AM		chul		
Re	eviewed By:		6/20/21					Cont.		
Ch	ain of Cus	tody								
1.	Is Chain of Co	ustody comp	olete?			Yes	~	No 🗌	Not Present	
2.	How was the	sample deli	vered?			Cou	rier			
L	og In									
		pt made to	cool the samp	les?		Yes	<b>V</b>	No 🗌	NA 🗆	
4.	Were all samp	oles received	d at a tempera	ture of >0° C	to 6.0°C	Yes	<b>V</b>	No 🗌	NA 🗌	
5.	Sample(s) in <sub>I</sub>	oroper conta	iner(s)?			Yes	<b>V</b>	No 🗌		
6.	Sufficient sam	ple volume	for indicated te	est(s)?		Yes	V	No 🗌		
7.	Are samples (	except VOA	and ONG) pro	perly preserve	ed?	Yes	<b>V</b>	No 🗌		
8. \	Was preserva	tive added to	bottles?			Yes		No 🗸	NA 🗆	
9. 1	Received at le	ast 1 vial wil	th headspace	<1/4" for AQ \	OA?	Yes		No 🗌	NA 🗹	
10.	Were any san	nple contain	ers received b	roken?		Yes		No 🗹	# of processed	
11.0	Does paperwo	rk match bo	ttle labels?			Yes	V	No 🗌	# of preserved bottles checked for pH:	
			ain of custody							unless noted)
			tified on Chair			Yes	<b>V</b>	No 🗀	Adjusted?	
			ere requested	?		Yes	<b>V</b>	No 🗔	/	1 0 0
	Nere all holdir If no, notify cu		e to be met? authorization.)			Yes	<b>V</b>	No 🗔	Checked by: DA	0.26.21
Spe	cial Handl	ing (if app	olicable)							
15.	Was client no	tified of all d	iscrepancies v	vith this order	)	Yes		No 🗌	NA 🗹	
	Person	Notified:			Date	6				
	By Who	m:			Via:	☐ eM	ail 🔲	Phone Fax	In Person	
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	Client Ir	structions:								
16.	Additional rer	marks:								
17.	Cooler Infor	mation								
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324 W. Mai	n St. Suite	324 W. Main St. Suite 108, Artesia NM 88210	Project #:		6	, F	Tel. 505-3	505-345-3975		Eax 505-345-4107	15-4107	4/2
Phone #:	(202)3	505)377-4218		122 9324					Anal	Regue		0/20
email or Fax#:		Becky. Haskell@ghd.com	Project Manag	ager:		-			<b>†</b> (		(1	
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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109 TEL: 505-345-3975 FAX: 505-345-4107 Website: clients.hallenvironmental.com

July 08, 2021

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

**FAX** 

RE: Jackson AT Battery OrderNo.: 2106E37

## Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 12 sample(s) on 6/26/2021 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order: **2106E37**Date Reported: **7/8/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-001 **Collection Date:** 6/25/2021 8:10:00 AM

Client Sample ID: TP14-2 Matrix: SOIL

Chefit Sample 1D: 11 14 2				Mati	. 50	IL.	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Ana	ılyst: MRA
Chloride	6000	300		mg/Kg	100	7/6/2021 10:57:00	AM 61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Ana	lyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/2/2021 1:49:01 P	M 60994
Surr: BFB	104	70-130		%Rec	1	7/2/2021 1:49:01 P	M 60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Ana	lyst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/1/2021 7:59:40 A	M 61004
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 7:59:40 A	M 61004
Surr: DNOP	52.7	70-130	S	%Rec	1	7/1/2021 7:59:40 A	M 61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Ana	lyst: RAA
Benzene	ND	0.023		mg/Kg	1	7/2/2021 1:49:01 P	M 60994
Toluene	ND	0.046		mg/Kg	1	7/2/2021 1:49:01 P	M 60994
Ethylbenzene	ND	0.046		mg/Kg	1	7/2/2021 1:49:01 P	M 60994
Xylenes, Total	ND	0.092		mg/Kg	1	7/2/2021 1:49:01 P	M 60994
Surr: 1,2-Dichloroethane-d4	121	70-130		%Rec	1	7/2/2021 1:49:01 P	M 60994
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/2/2021 1:49:01 P	M 60994
Surr: Dibromofluoromethane	114	70-130		%Rec	1	7/2/2021 1:49:01 P	M 60994
Surr: Toluene-d8	108	70-130		%Rec	1	7/2/2021 1:49:01 P	M 60994

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

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

Page 1 of 17

Lab Order: 2106E37

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/8/2021

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-002 **Collection Date:** 6/25/2021 8:15:00 AM

Client Sample ID: TP14-6 Matrix: SOIL

**Analyses** Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: MRA Chloride 3300 150 mg/Kg 7/6/2021 11:09:24 AM 61086 50 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 5.0 7/2/2021 2:16:25 PM 60994 mg/Kg 1 Surr: BFB 101 70-130 %Rec 1 7/2/2021 2:16:25 PM 60994 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 9.9 mg/Kg 7/1/2021 8:24:07 AM 61004 1 Motor Oil Range Organics (MRO) 61004 ND 50 mg/Kg 1 7/1/2021 8:24:07 AM Surr: DNOP 58.0 70-130 S %Rec 7/1/2021 8:24:07 AM 61004 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 0.025 7/2/2021 2:16:25 PM 60994 mg/Kg 1 Toluene ND 0.050 mg/Kg 1 7/2/2021 2:16:25 PM 60994 Ethylbenzene ND 0.050 mg/Kg 1 7/2/2021 2:16:25 PM 60994 Xylenes, Total ND 0.099 mg/Kg 1 7/2/2021 2:16:25 PM 60994 Surr: 1,2-Dichloroethane-d4 121 70-130 %Rec 1 7/2/2021 2:16:25 PM 60994 Surr: 4-Bromofluorobenzene 104 70-130 %Rec 7/2/2021 2:16:25 PM 60994 Surr: Dibromofluoromethane 60994 112 70-130 %Rec 7/2/2021 2:16:25 PM 1 Surr: Toluene-d8 108 70-130 %Rec 7/2/2021 2:16:25 PM 60994

Refer to the QC Summary 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

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

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Lab Order: **2106E37**Date Reported: **7/8/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-003 **Collection Date:** 6/25/2021 8:30:00 AM

Client Sample ID: TP14-10 Matrix: SOIL

Cheme Sumple 12.				111441123			
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analy	/st: <b>JMT</b>
Chloride	1100	60		mg/Kg	20	7/2/2021 1:36:38 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Analy	/st: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 2:43:51 PM	60994
Surr: BFB	104	70-130		%Rec	1	7/2/2021 2:43:51 PM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Analy	/st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/1/2021 8:48:24 AM	61004
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/1/2021 8:48:24 AM	61004
Surr: DNOP	64.4	70-130	S	%Rec	1	7/1/2021 8:48:24 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Analy	/st: RAA
Benzene	ND	0.024		mg/Kg	1	7/2/2021 2:43:51 PM	60994
Toluene	ND	0.048		mg/Kg	1	7/2/2021 2:43:51 PM	60994
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 2:43:51 PM	60994
Xylenes, Total	ND	0.097		mg/Kg	1	7/2/2021 2:43:51 PM	60994
Surr: 1,2-Dichloroethane-d4	121	70-130		%Rec	1	7/2/2021 2:43:51 PM	60994
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/2/2021 2:43:51 PM	60994
Surr: Dibromofluoromethane	113	70-130		%Rec	1	7/2/2021 2:43:51 PM	60994
Surr: Toluene-d8	107	70-130		%Rec	1	7/2/2021 2:43:51 PM	60994

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

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

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Lab Order: **2106E37**Date Reported: **7/8/2021** 

# Hall Environmental Analysis Laboratory, Inc.

2106E37

Lab Order:

CLIENT: GHD Midland

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-004 **Collection Date:** 6/25/2021 8:35:00 AM

Client Sample ID: TP14-12 Matrix: SOIL

					• ~ ~		
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Anal	yst: <b>JMT</b>
Chloride	310	60		mg/Kg	20	7/2/2021 1:49:03 PM	1 61086
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>						Anal	yst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 3:11:13 PM	1 60994
Surr: BFB	102	70-130		%Rec	1	7/2/2021 3:11:13 PM	1 60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Anal	yst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/1/2021 9:12:47 AN	1 61004
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/1/2021 9:12:47 AN	1 61004
Surr: DNOP	45.7	70-130	S	%Rec	1	7/1/2021 9:12:47 AN	1 61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Anal	yst: RAA
Benzene	ND	0.024		mg/Kg	1	7/2/2021 3:11:13 PM	1 60994
Toluene	ND	0.048		mg/Kg	1	7/2/2021 3:11:13 PM	1 60994
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 3:11:13 PN	1 60994
Xylenes, Total	ND	0.096		mg/Kg	1	7/2/2021 3:11:13 PN	1 60994
Surr: 1,2-Dichloroethane-d4	122	70-130		%Rec	1	7/2/2021 3:11:13 PN	1 60994
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/2/2021 3:11:13 PN	1 60994
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/2/2021 3:11:13 PN	1 60994
Surr: Toluene-d8	107	70-130		%Rec	1	7/2/2021 3:11:13 PN	1 60994

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
- 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

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

Page 4 of 17

Lab Order: **2106E37** 

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/8/2021

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-005 **Collection Date:** 6/25/2021 8:40:00 AM

Client Sample ID: TP15-S Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Anal	yst: <b>JMT</b>
Chloride	ND	60		mg/Kg	20	7/2/2021 2:01:27 PM	1 61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Anal	yst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 5:27:59 PM	1 60994
Surr: BFB	103	70-130		%Rec	1	7/2/2021 5:27:59 PM	1 60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Anal	yst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/1/2021 9:37:05 AM	1 61004
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/1/2021 9:37:05 AM	1 61004
Surr: DNOP	38.9	70-130	S	%Rec	1	7/1/2021 9:37:05 AM	1 61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Anal	yst: RAA
Benzene	ND	0.025		mg/Kg	1	7/2/2021 5:27:59 PM	1 60994
Toluene	ND	0.050		mg/Kg	1	7/2/2021 5:27:59 PM	1 60994
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 5:27:59 PM	1 60994
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 5:27:59 PM	1 60994
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	7/2/2021 5:27:59 PM	1 60994
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/2/2021 5:27:59 PM	1 60994
Surr: Dibromofluoromethane	110	70-130		%Rec	1	7/2/2021 5:27:59 PM	1 60994
Surr: Toluene-d8	108	70-130		%Rec	1	7/2/2021 5:27:59 PM	1 60994

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

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

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Lab Order: **2106E37** 

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/8/2021

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-006 **Collection Date:** 6/25/2021 8:45:00 AM

Client Sample ID: TP15-2 Matrix: SOIL

Chefit Sample ID. 11 13 2				Matila	. 50	/IL	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS						Analyst	: ЈМТ
Chloride	ND	60		mg/Kg	20	7/2/2021 2:13:52 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANG	E					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/2/2021 5:55:17 PM	60994
Surr: BFB	102	70-130		%Rec	1	7/2/2021 5:55:17 PM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2021 10:14:35 AM	61004
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 10:14:35 AM	61004
Surr: DNOP	46.9	70-130	S	%Rec	1	7/1/2021 10:14:35 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIS</b>	ST					Analyst	: RAA
Benzene	ND	0.024		mg/Kg	1	7/2/2021 5:55:17 PM	60994
Toluene	ND	0.047		mg/Kg	1	7/2/2021 5:55:17 PM	60994
Ethylbenzene	ND	0.047		mg/Kg	1	7/2/2021 5:55:17 PM	60994
Xylenes, Total	ND	0.094		mg/Kg	1	7/2/2021 5:55:17 PM	60994
Surr: 1,2-Dichloroethane-d4	117	70-130		%Rec	1	7/2/2021 5:55:17 PM	60994
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/2/2021 5:55:17 PM	60994
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/2/2021 5:55:17 PM	60994
Surr: Toluene-d8	107	70-130		%Rec	1	7/2/2021 5:55:17 PM	60994

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
- 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

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

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Lab Order: **2106E37**Date Reported: **7/8/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-007 **Collection Date:** 6/25/2021 8:50:00 AM

Client Sample ID: TP16-S Matrix: SOIL

Analyses	Result	RL Q	ual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: <b>JMT</b>
Chloride	ND	60	mg/Kg	20	7/2/2021 2:26:17 PM	61086
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	6/30/2021 2:58:41 PM	61007
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	6/30/2021 2:58:41 PM	61007
Surr: DNOP	73.2	70-130	%Rec	1	6/30/2021 2:58:41 PM	61007
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	7/2/2021 11:55:49 AM	61005
Surr: BFB	99.5	70-130	%Rec	1	7/2/2021 11:55:49 AM	61005
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	7/2/2021 11:55:49 AM	61005
Toluene	ND	0.048	mg/Kg	1	7/2/2021 11:55:49 AM	61005
Ethylbenzene	ND	0.048	mg/Kg	1	7/2/2021 11:55:49 AM	61005
Xylenes, Total	ND	0.095	mg/Kg	1	7/2/2021 11:55:49 AM	61005
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	7/2/2021 11:55:49 AM	61005

**Lab ID:** 2106E37-008 **Collection Date:** 6/25/2021 9:00:00 AM

Client Sample ID: TP16-2 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS						Analys	t: <b>VP</b>
Chloride	400	61		mg/Kg	20	7/2/2021 4:09:50 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analys	t: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/30/2021 4:11:35 PM	61007
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 4:11:35 PM	61007
Surr: DNOP	53.4	70-130	S	%Rec	1	6/30/2021 4:11:35 PM	61007
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 1:06:58 PM	61005
Surr: BFB	98.8	70-130		%Rec	1	7/2/2021 1:06:58 PM	61005
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.025		mg/Kg	1	7/2/2021 1:06:58 PM	61005
Toluene	ND	0.049		mg/Kg	1	7/2/2021 1:06:58 PM	61005
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 1:06:58 PM	61005
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 1:06:58 PM	61005
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	7/2/2021 1:06:58 PM	61005

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

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

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Lab Order: **2106E37** 

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/8/2021

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-009 **Collection Date:** 6/25/2021 9:15:00 AM

Client Sample ID: TP17-S Matrix: SOIL

Result **RL Oual Units DF** Date Analyzed **Batch ID Analyses EPA METHOD 300.0: ANIONS** Analyst: VP Chloride ND 7/2/2021 4:22:15 PM 60 61088 mg/Kg **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) 6/30/2021 4:35:49 PM ND 9.5 mg/Kg 61007 mg/Kg Motor Oil Range Organics (MRO) ND 47 6/30/2021 4:35:49 PM 61007 1 Surr: DNOP 50.3 70-130 %Rec 6/30/2021 4:35:49 PM 61007 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB Gasoline Range Organics (GRO) ND 5.0 mg/Kg 1 7/2/2021 2:18:08 PM 61005 Surr: BFB 100 70-130 %Rec 1 7/2/2021 2:18:08 PM 61005 **EPA METHOD 8021B: VOLATILES** Analyst: NSB Benzene ND 0.025 mg/Kg 7/2/2021 2:18:08 PM 61005 Toluene ND 0.050 mg/Kg 1 7/2/2021 2:18:08 PM 61005 Ethylbenzene ND 0.050 mg/Kg 1 7/2/2021 2:18:08 PM 61005 Xylenes, Total ND 0.10 mg/Kg 7/2/2021 2:18:08 PM 61005 Surr: 4-Bromofluorobenzene 98.3 70-130 %Rec 7/2/2021 2:18:08 PM 61005

Refer to the QC Summary 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

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

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Lab Order: **2106E37**Date Reported: **7/8/2021** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-010 **Collection Date:** 6/25/2021 9:20:00 AM

Client Sample ID: TP17-2 Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Ba	tch ID
EPA METHOD 300.0: ANIONS						Ana	ılyst:	VP
Chloride	ND	60		mg/Kg	20	7/2/2021 4:34:39 P	M	61088
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Ana	ılyst:	JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/30/2021 5:00:08 F	PM	61007
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/30/2021 5:00:08 F	PM	61007
Surr: DNOP	63.1	70-130	S	%Rec	1	6/30/2021 5:00:08 F	PM	61007
EPA METHOD 8015D: GASOLINE RANGE						Ana	ılyst:	NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 2:41:55 P	М	61005
Surr: BFB	100	70-130		%Rec	1	7/2/2021 2:41:55 P	M	61005
<b>EPA METHOD 8021B: VOLATILES</b>						Ana	ılyst:	NSB
Benzene	ND	0.025		mg/Kg	1	7/2/2021 2:41:55 P	M	61005
Toluene	ND	0.050		mg/Kg	1	7/2/2021 2:41:55 P	M	61005
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 2:41:55 P	M	61005
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 2:41:55 P	M	61005
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/2/2021 2:41:55 P	M	61005

**Lab ID:** 2106E37-011 **Collection Date:** 6/25/2021 9:30:00 AM

Client Sample ID: TP18-S Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed 1	Batch ID
EPA METHOD 300.0: ANIONS						Analys	st: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/2/2021 4:47:04 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analys	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/30/2021 5:24:18 PM	61007
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/30/2021 5:24:18 PM	61007
Surr: DNOP	53.0	70-130	S	%Rec	1	6/30/2021 5:24:18 PM	61007
EPA METHOD 8015D: GASOLINE RANGE						Analys	st: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 4:16:55 PM	61005
Surr: BFB	101	70-130		%Rec	1	7/2/2021 4:16:55 PM	61005
EPA METHOD 8021B: VOLATILES						Analys	st: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 4:16:55 PM	61005
Toluene	ND	0.049		mg/Kg	1	7/2/2021 4:16:55 PM	61005
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 4:16:55 PM	61005
Xylenes, Total	ND	0.097		mg/Kg	1	7/2/2021 4:16:55 PM	61005
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/2/2021 4:16:55 PM	61005

Refer to the QC Summary 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

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

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Lab Order: 2106E37

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/8/2021

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

**Lab ID:** 2106E37-012 **Collection Date:** 6/25/2021 9:40:00 AM

Client Sample ID: TP18-2 Matrix: SOIL

Chefit Sample ID. 11 10-2	Matrix. SOIL								
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID		
EPA METHOD 300.0: ANIONS						Ana	lyst: <b>VP</b>		
Chloride	140	60		mg/Kg	20	7/2/2021 4:59:28 PI	M 61088		
EPA METHOD 8015M/D: DIESEL RANGE OF	RGANICS					Ana	lyst: <b>JME</b>		
Diesel Range Organics (DRO)	10	9.6		mg/Kg	1	6/30/2021 6:12:51 F	PM 61007		
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/30/2021 6:12:51 F	PM 61007		
Surr: DNOP	60.9	70-130	S	%Rec	1	6/30/2021 6:12:51 F	PM 61007		
EPA METHOD 8015D: GASOLINE RANGE						Ana	lyst: <b>NSB</b>		
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 4:40:36 PI	M 61005		
Surr: BFB	99.8	70-130		%Rec	1	7/2/2021 4:40:36 PI	M 61005		
<b>EPA METHOD 8021B: VOLATILES</b>						Ana	lyst: <b>NSB</b>		
Benzene	ND	0.024		mg/Kg	1	7/2/2021 4:40:36 PI	M 61005		
Toluene	ND	0.048		mg/Kg	1	7/2/2021 4:40:36 PI	M 61005		
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 4:40:36 PI	M 61005		
Xylenes, Total	ND	0.096		mg/Kg	1	7/2/2021 4:40:36 PI	M 61005		
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	7/2/2021 4:40:36 PI	M 61005		

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

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

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## Hall Environmental Analysis Laboratory, Inc.

08-Jul-21

2106E37

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-61086 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 61086 RunNo: 79568

Prep Date: 7/1/2021 Analysis Date: 7/2/2021 SeqNo: 2797960 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-61086 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 61086 RunNo: 79568

Prep Date: 7/1/2021 Analysis Date: 7/2/2021 SeqNo: 2797961 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.3 90 110

Sample ID: MB-61088 SampType: MBLK TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 61088 RunNo: 79537

Prep Date: 7/1/2021 Analysis Date: 7/2/2021 SeqNo: 2798047 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-61088 SampType: LCS TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 61088 RunNo: 79537

Prep Date: 7/1/2021 Analysis Date: 7/2/2021 SeqNo: 2798048 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.8 90 110

## Qualifiers:

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

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E37** *08-Jul-21* 

Client:	GHD Midland					
Project:	Jackson AT Battery					

Project: Jackson A	AT Battery									
Sample ID: MB-61004	SampT	уре: МЕ	BLK	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	Batch ID: 61004 RunNo: 79496								
Prep Date: 6/29/2021	Analysis D	ate: <b>7/</b>	1/2021	9	SeqNo: 2	794892	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO) Surr: DNOP	ND 7.8	50	10.00		77.6	70	130			
Suil. DNOP	7.0		10.00		11.0	70	130			
Sample ID: MB-61007	SampT	ype: ME	BLK	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: PBS	Batch	ID: <b>61</b>	007	F	RunNo: 7	9496				
Prep Date: 6/29/2021	Analysis D	ate: 6/	30/2021	\$	SeqNo: 2	794893	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND 9.6	50	10.00		95.8	70	130			
Surr: DNOP	9.0		10.00		95.6	70	130			
Sample ID: LCS-61004	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: LCSS	Batch	ID: <b>61</b>	004	F	RunNo: 7	9496				
Prep Date: 6/29/2021	Analysis D	ate: <b>7/</b>	1/2021	\$	SeqNo: 2	794894	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.7	68.9	141			
Surr: DNOP	3.5		5.000		69.8	70	130			S
Sample ID: LCS-61007	SampT	ype: <b>LC</b>	s	Tes	tCode: E	PA Method	8015M/D: Die	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: <b>61</b>	007	F	RunNo: <b>7</b>	9496				
Prep Date: 6/29/2021	Analysis D	ate: 6/	30/2021	9	SeqNo: 2	794895	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.8	68.9	141			
Surr: DNOP	4.2		5.000		84.1	70	130			
Sample ID: 2106E37-007AMS	Sample ID: 2106E37-007AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: TP16-S	Batch	Batch ID: <b>61007</b> RunNo: <b>79496</b>								
Prep Date: 6/29/2021	Analysis D	ate: 6/	30/2021	5	SeqNo: 2	794935	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.9	49.31	0	92.0	15	184			
Surr: DNOP	2.9		4.931		59.4	70	130			S

### Qualifiers:

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

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E37** *08-Jul-21* 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2106E37-007AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: TP16-S Batch ID: 61007 RunNo: 79496

Prep Date: 6/29/2021 Analysis Date: 6/30/2021 SeqNo: 2794937 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 0 1.80 23.9 46 9.8 49.12 94.0 15 184 Surr: DNOP 3.2 4.912 64.6 70 130 0 0 S

#### Qualifiers:

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

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

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#### Hall Environmental Analysis Laboratory, Inc.

2106E37 08-Jul-21

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-61005 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 61005 RunNo: 79564

Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2797787 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 101 70 130

Sample ID: Ics-61005 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 61005 RunNo: 79564

Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2797788 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 24 5.0 25.00 O 96.6 78.6 131

Surr: BFB 1100 1000 110 70 130

Sample ID: 2106e37-007ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: TP16-S Batch ID: 61005 RunNo: 79564

Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2797790 Units: mg/Kg

Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte PQL LowLimit Qual Gasoline Range Organics (GRO) 24 5.0 24.80 0 98.4 61.3 114 Surr: BFB 992.1 1100 109 70 130

Sample ID: 2106e37-007amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: TP16-S Batch ID: 61005 RunNo: 79564

Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2797791 Units: mq/Kq

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual Gasoline Range Organics (GRO) 24 23.74 101 61.3 1.32 4.7 n 114 20 Surr: BFB 1000 949.7 110 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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2106E37 08-Jul-21

**Client:** GHD Midland **Project:** Jackson AT Battery

Sample ID: mb-61005 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 61005 RunNo: 79564

Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2797845 Units: mg/Kg

PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Analyte Result Qual Benzene ND 0.025

Toluene ND 0.050 Ethylbenzene ND 0.050 Xylenes, Total ND 0.10

Surr: 4-Bromofluorobenzene 1.0 1.000 101 70 130

Sample ID: LCS-61005 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 61005 RunNo: 79564

Prep Date: 6/29/2021	Analysis [	Analysis Date: 7/2/2021			SeqNo: <b>2797846</b>			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.89	0.025	1.000	0	89.0	80	120				
Toluene	0.92	0.050	1.000	0	91.5	80	120				
Ethylbenzene	0.91	0.050	1.000	0	91.3	80	120				
Xylenes, Total	2.8	0.10	3.000	0	92.1	80	120				
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130				

Sample ID: 2106e37-008ams SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: TP16-2 Batch ID: 61005 RunNo: 79564

Prep Date: 6/29/2021	Analysis Date: 7/2/2021			5	SeqNo: <b>2797849</b>			ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	0.9804	0	89.2	80	120			
Toluene	0.91	0.049	0.9804	0	93.2	80	120			
Ethylbenzene	0.92	0.049	0.9804	0	93.6	80	120			
Xylenes, Total	2.8	0.098	2.941	0	94.0	80	120			
Surr: 4-Bromofluorobenzene	1.0		0.9804		102	70	130			

TestCode: EPA Method 8021B: Volatiles Sample ID: 2106e37-008amsd SampType: MSD

Client ID: TP16-2 Batch ID: 61005 RunNo: 79564

Prep Date: 6/29/2021	Analysis D	Date: 7/	2/2021	s	SeqNo: 2	797850	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	0.9833	0	95.4	80	120	7.00	20	
Toluene	0.97	0.049	0.9833	0	98.9	80	120	6.22	20	
Ethylbenzene	0.98	0.049	0.9833	0	99.2	80	120	6.05	20	
Xylenes, Total	2.9	0.098	2.950	0	99.9	80	120	6.34	20	
Surr: 4-Bromofluorobenzene	0.97		0.9833		98.6	70	130	0	0	

#### Qualifiers:

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

- Analyte detected in the associated Method Blank
- Value above quantitation range
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2106E37** *08-Jul-21* 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-60994	SampT	ype: <b>LC</b>	S4	TestCode: EPA Method 8260B: Volatiles Short List					List		
Client ID: BatchQC	Batch	n ID: <b>60</b> 9	994	RunNo: <b>79523</b>							
Prep Date: 6/29/2021	Analysis D	Date: <b>7/</b> 2	2/2021	SeqNo: <b>2799002</b>			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	1.0	0.025	1.000	0	104	80	120				
Toluene	0.99	0.050	1.000	0	99.5	80	120				
Ethylbenzene	0.99	0.050	1.000	0	99.3	80	120				
Xylenes, Total	3.0	0.10	3.000	0	98.8	80	120				
Surr: 1,2-Dichloroethane-d4	0.57		0.5000		113	70	130				
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130				
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130				
Surr: Toluene-d8	0.52		0.5000		105	70	130				

Sample ID: <b>mb-60994</b>	Sampl	уре: <b>МЕ</b>	BLK	TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: PBS	Batcl	h ID: <b>60</b> 9	994	RunNo: <b>79523</b>							
Prep Date: 6/29/2021	Analysis D	Date: 7/	2/2021	SeqNo: <b>2799003</b>			Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 1,2-Dichloroethane-d4	0.56		0.5000		112	70	130				
Surr: 4-Bromofluorobenzene	0.51		0.5000		102	70	130				
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130				
Surr: Toluene-d8	0.52		0.5000		103	70	130				

#### Qualifiers:

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

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2106E37

08-Jul-21

**Client: GHD** Midland **Project:** Jackson AT Battery

Sample ID: LCS-60994	SampType: LCS			Tes	TestCode: EPA Method 8015D Mod: Gasoline Range					
Client ID: LCSS	Batch ID: <b>60994</b> RunNo: <b>79523</b>									
Prep Date: 6/29/2021	Analysis D	ate: <b>7/</b> 2	2/2021	SeqNo: <b>2799028</b>			Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.1	70	130			
Surr: BFB	500		500.0		101	70	130			

Sample ID: <b>mb-60994</b>	SampT	ype: <b>ME</b>	BLK	LK TestCode: EPA Method 8015D Mod: Gasoline Range					Range	
Client ID: PBS	Batch	ID: <b>60</b>	994	F	RunNo: 7	9523				
Prep Date: 6/29/2021	Analysis D	ate: <b>7/</b>	2/2021	SeqNo: <b>2799029</b>			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	490		500.0		98.0	70	130			

Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

Н Holding times for preparation or analysis exceeded

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix

Analyte detected in the associated Method Blank

Value above quantitation range

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 17 of 17



**ABORATORY** 

Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

### Sample Log-In Check List

Client Name: GHD Work Order Number: 2106E37 RcptNo: 1 Received By: Juan Rojas 6/26/2021 8:30:00 AM Completed By: Cheyenne Cason 6/26/2021 10:34:03 AM Reviewed By: 6/28/21 Chain of Custody 1. Is Chain of Custody complete? Yes V No 🗌 Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes 🗸 No 🗌 NA Were all samples received at a temperature of >0° C to 6.0°C No | NA 🗌 Sample(s) in proper container(s)? Yes V No 🗌 6. Sufficient sample volume for indicated test(s)? Yes V No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes No 🗌 8. Was preservative added to bottles? Yes No V NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No NA V 10. Were any sample containers received broken? Yes No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes V No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? Adjusted? Yes V No 🗌 13. Is it clear what analyses were requested? V No Checked by: DAD 6.26.21 14. Were all holding times able to be met? Yes V No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 0.7 Good 2 0.1 Good

Page I of 1

Mailing Address:  Mailing Address:  324 W. Main St. Suite 108, Artesia NM 88210  Phone #: (505)377 4249	O Rush S-8cm				i
Suite 108, Artesia NM 88210 Project #:	C	AN/	ANALYSIS L	LABORATOR	1 0
Suite 108, Artesia NM 88210 Project #:	ATRA	MWW .	allenvironme	tal.com	
(505)377 7018	11 1210			Albuquerque, NM 87109	: 4/2
(202)2174218	1102600	Tel. 505-345-3975	Fax	505-345-4107	26/2
email or Fax#: Becky.Haskell@ghd.com Project Manager	J		Analysis Request	uest	022
Validation)			⁵OS '⁵C	Msent)	2:59:09
☐ Az Compliance Sampler:	Zach Comino	7 DRO 1082 P		//Yuəse	<i>PM</i>
# of Coolers	res 🗆 No	904 204 32\8	Λ ,ε (AC	(Pre	
1 = 1	ding CF): 6.9-6.2.20.7	D(G ticida thod \$310	ON (A )V-in	orm	
Time Matrix Sample Name Type and # Type	tive 6.3	94:801 981 Pes 98 (Me	OV) 08	al Colif	
7	10053/	13 S	85. 85	2 ,	+
0815 TP14-61	200	7		Q	+
O830 TP14-10	2003				+
C835 TPI4-12	3 3 3				-
2840 TPIS-S	3 8				-
	600				-
2850 TP16-5	100				-
Office TTP16-2	***				
DP17-5	800				
5-797 0260	010				
0970 TPIB-S	110				
2-81dT 4 db 0	210	3			
Kelinquished by: Via:	Date Time	Remarks: Please email:	ail: Chase_Settle	Chase_Settle@eogresources.com;	
Relinquished by:  Received by:  Via:	/ OCがマー 6/26/3/ 名30 Via: Date Time	Direct Bill to EOG Chase Settle	gna.com; Zach.Comino@ghd.c Becky Haskell listed above. Direct Bill to EOG Chase Settle	@ghd.com: Along wit above. se Settle	Page 11



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

February 22, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

**FAX** 

RE: Jackson AT Battery OrderNo.: 2202387

#### Dear Tom Larson:

Hall Environmental Analysis Laboratory received 47 sample(s) on 2/9/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-1

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 8:00:00 AM

 Lab ID:
 2202387-001
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3800	150	mg/Kg	50	2/15/2022 12:33:08 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/10/2022 2:37:49 PM	65454
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/10/2022 2:37:49 PM	65454
Surr: DNOP	67.4	51.1-141	%Rec	1	2/10/2022 2:37:49 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/10/2022 11:00:00 AM	65448
Surr: BFB	101	70-130	%Rec	1	2/10/2022 11:00:00 AM	65448
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/10/2022 11:00:00 AM	65448
Toluene	ND	0.048	mg/Kg	1	2/10/2022 11:00:00 AM	65448
Ethylbenzene	ND	0.048	mg/Kg	1	2/10/2022 11:00:00 AM	65448
Xylenes, Total	ND	0.096	mg/Kg	1	2/10/2022 11:00:00 AM	65448
Surr: 4-Bromofluorobenzene	94.3	70-130	%Rec	1	2/10/2022 11:00:00 AM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-2

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 8:05:00 AM

 Lab ID:
 2202387-002
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2500	150	mg/Kg	50	2/15/2022 12:45:32 PM	65494
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/10/2022 2:48:39 PM	65454
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/10/2022 2:48:39 PM	65454
Surr: DNOP	90.6	51.1-141	%Rec	1	2/10/2022 2:48:39 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/10/2022 11:59:00 AM	65448
Surr: BFB	103	70-130	%Rec	1	2/10/2022 11:59:00 AM	65448
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	2/10/2022 11:59:00 AM	65448
Toluene	ND	0.047	mg/Kg	1	2/10/2022 11:59:00 AM	65448
Ethylbenzene	ND	0.047	mg/Kg	1	2/10/2022 11:59:00 AM	65448
Xylenes, Total	ND	0.093	mg/Kg	1	2/10/2022 11:59:00 AM	65448
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/10/2022 11:59:00 AM	65448

Refer to the QC Summary 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 Order **2202387**Date Reported: **2/22/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-3

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 8:10:00 AM

 Lab ID:
 2202387-003
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4100	150	mg/Kg	50	2/15/2022 12:57:57 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	170	9.8	mg/Kg	1	2/11/2022 6:44:51 PM	65454
Motor Oil Range Organics (MRO)	360	49	mg/Kg	1	2/11/2022 6:44:51 PM	65454
Surr: DNOP	96.1	51.1-141	%Rec	1	2/11/2022 6:44:51 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	2/10/2022 12:59:00 PM	65448
Surr: BFB	98.0	70-130	%Rec	5	2/10/2022 12:59:00 PM	65448
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	RAA
Benzene	ND	0.12	mg/Kg	5	2/10/2022 12:59:00 PM	65448
Toluene	ND	0.23	mg/Kg	5	2/10/2022 12:59:00 PM	65448
Ethylbenzene	ND	0.23	mg/Kg	5	2/10/2022 12:59:00 PM	65448
Xylenes, Total	ND	0.47	mg/Kg	5	2/10/2022 12:59:00 PM	65448
Surr: 4-Bromofluorobenzene	97.2	70-130	%Rec	5	2/10/2022 12:59:00 PM	65448

Refer to the QC Summary 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:** GHD Midland

### **Analytical Report**

Lab Order **2202387**Date Reported: **2/22/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-4

Project: Jackson AT Battery

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

Lab ID: 2202387-004 Matrix: SOIL Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4400	150	mg/Kg	50	2/15/2022 1:10:22 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	23	10	mg/Kg	1	2/10/2022 3:10:20 PM	65454
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/10/2022 3:10:20 PM	65454
Surr: DNOP	66.0	51.1-141	%Rec	1	2/10/2022 3:10:20 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/10/2022 1:18:00 PM	65448
Surr: BFB	98.2	70-130	%Rec	1	2/10/2022 1:18:00 PM	65448
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/10/2022 1:18:00 PM	65448
Toluene	ND	0.048	mg/Kg	1	2/10/2022 1:18:00 PM	65448
Ethylbenzene	ND	0.048	mg/Kg	1	2/10/2022 1:18:00 PM	65448
Xylenes, Total	ND	0.097	mg/Kg	1	2/10/2022 1:18:00 PM	65448
Surr: 4-Bromofluorobenzene	97.3	70-130	%Rec	1	2/10/2022 1:18:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-5

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 8:20:00 AM

 Lab ID:
 2202387-005
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	510	60	mg/Kg	20	2/11/2022 10:38:48 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/10/2022 3:21:22 PM	65454
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/10/2022 3:21:22 PM	65454
Surr: DNOP	70.1	51.1-141	%Rec	1	2/10/2022 3:21:22 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/10/2022 1:38:00 PM	65448
Surr: BFB	101	70-130	%Rec	1	2/10/2022 1:38:00 PM	65448
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst:	RAA
Benzene	ND	0.024	mg/Kg	1	2/10/2022 1:38:00 PM	65448
Toluene	ND	0.048	mg/Kg	1	2/10/2022 1:38:00 PM	65448
Ethylbenzene	ND	0.048	mg/Kg	1	2/10/2022 1:38:00 PM	65448
Xylenes, Total	ND	0.096	mg/Kg	1	2/10/2022 1:38:00 PM	65448
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/10/2022 1:38:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-6

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 8:25:00 AM

 **Lab ID:** 2202387-006
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1300	60	mg/Kg	20	2/11/2022 10:51:13 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/10/2022 3:32:24 PM	65454
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/10/2022 3:32:24 PM	65454
Surr: DNOP	71.3	51.1-141	%Rec	1	2/10/2022 3:32:24 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/10/2022 1:58:00 PM	65448
Surr: BFB	99.3	70-130	%Rec	1	2/10/2022 1:58:00 PM	65448
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/10/2022 1:58:00 PM	65448
Toluene	ND	0.050	mg/Kg	1	2/10/2022 1:58:00 PM	65448
Ethylbenzene	ND	0.050	mg/Kg	1	2/10/2022 1:58:00 PM	65448
Xylenes, Total	ND	0.099	mg/Kg	1	2/10/2022 1:58:00 PM	65448
Surr: 4-Bromofluorobenzene	95.3	70-130	%Rec	1	2/10/2022 1:58:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-7

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 8:30:00 AM

 Lab ID:
 2202387-007
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	950	60	mg/Kg	20	2/11/2022 11:28:25 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/10/2022 3:43:24 PM	65454
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/10/2022 3:43:24 PM	65454
Surr: DNOP	69.2	51.1-141	%Rec	1	2/10/2022 3:43:24 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	2/10/2022 2:17:00 PM	65448
Surr: BFB	99.7	70-130	%Rec	5	2/10/2022 2:17:00 PM	65448
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.12	mg/Kg	5	2/10/2022 2:17:00 PM	65448
Toluene	ND	0.23	mg/Kg	5	2/10/2022 2:17:00 PM	65448
Ethylbenzene	ND	0.23	mg/Kg	5	2/10/2022 2:17:00 PM	65448
Xylenes, Total	ND	0.47	mg/Kg	5	2/10/2022 2:17:00 PM	65448
Surr: 4-Bromofluorobenzene	99.4	70-130	%Rec	5	2/10/2022 2:17:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-8

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 8:35:00 AM

 Lab ID:
 2202387-008
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	2200	60	mg/Kg	20	2/11/2022 11:40:50 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	99	10	mg/Kg	1	2/11/2022 7:06:04 PM	65454
Motor Oil Range Organics (MRO)	180	50	mg/Kg	1	2/11/2022 7:06:04 PM	65454
Surr: DNOP	78.8	51.1-141	%Rec	1	2/11/2022 7:06:04 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/10/2022 2:37:00 PM	65448
Surr: BFB	99.2	70-130	%Rec	1	2/10/2022 2:37:00 PM	65448
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/10/2022 2:37:00 PM	65448
Toluene	ND	0.048	mg/Kg	1	2/10/2022 2:37:00 PM	65448
Ethylbenzene	ND	0.048	mg/Kg	1	2/10/2022 2:37:00 PM	65448
Xylenes, Total	ND	0.095	mg/Kg	1	2/10/2022 2:37:00 PM	65448
Surr: 4-Bromofluorobenzene	97.4	70-130	%Rec	1	2/10/2022 2:37:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-9

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 8:40:00 AM

 Lab ID:
 2202387-009
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	2200	60		mg/Kg	20	2/11/2022 11:53:14 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst	SB
Diesel Range Organics (DRO)	590	200		mg/Kg	20	2/10/2022 4:05:21 PM	65454
Motor Oil Range Organics (MRO)	1300	1000		mg/Kg	20	2/10/2022 4:05:21 PM	65454
Surr: DNOP	0	51.1-141	S	%Rec	20	2/10/2022 4:05:21 PM	65454
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/10/2022 2:57:00 PM	65448
Surr: BFB	103	70-130		%Rec	5	2/10/2022 2:57:00 PM	65448
EPA METHOD 8021B: VOLATILES						Analyst	RAA
Benzene	ND	0.12		mg/Kg	5	2/10/2022 2:57:00 PM	65448
Toluene	ND	0.24		mg/Kg	5	2/10/2022 2:57:00 PM	65448
Ethylbenzene	ND	0.24		mg/Kg	5	2/10/2022 2:57:00 PM	65448
Xylenes, Total	ND	0.48		mg/Kg	5	2/10/2022 2:57:00 PM	65448
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	5	2/10/2022 2:57:00 PM	65448

Refer to the QC Summary 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:** GHD Midland

### **Analytical Report**

Lab Order **2202387**Date Reported: **2/22/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-10

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 8:45:00 AM

 Lab ID:
 2202387-010
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	2400	60	mg/Kg	20	2/12/2022 12:05:38 AM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/10/2022 4:16:17 PM	65454
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/10/2022 4:16:17 PM	65454
Surr: DNOP	66.4	51.1-141	%Rec	1	2/10/2022 4:16:17 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/10/2022 3:17:00 PM	65448
Surr: BFB	101	70-130	%Rec	1	2/10/2022 3:17:00 PM	65448
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	2/10/2022 3:17:00 PM	65448
Toluene	ND	0.047	mg/Kg	1	2/10/2022 3:17:00 PM	65448
Ethylbenzene	ND	0.047	mg/Kg	1	2/10/2022 3:17:00 PM	65448
Xylenes, Total	ND	0.094	mg/Kg	1	2/10/2022 3:17:00 PM	65448
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/10/2022 3:17:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-11

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 8:50:00 AM

 **Lab ID:** 2202387-011
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4000	150	mg/Kg	50	2/15/2022 1:22:46 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	350	9.7	mg/Kg	1	2/11/2022 7:27:15 PM	65454
Motor Oil Range Organics (MRO)	620	49	mg/Kg	1	2/11/2022 7:27:15 PM	65454
Surr: DNOP	101	51.1-141	%Rec	1	2/11/2022 7:27:15 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/10/2022 4:36:00 PM	65448
Surr: BFB	99.8	70-130	%Rec	5	2/10/2022 4:36:00 PM	65448
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	2/10/2022 4:36:00 PM	65448
Toluene	ND	0.24	mg/Kg	5	2/10/2022 4:36:00 PM	65448
Ethylbenzene	ND	0.24	mg/Kg	5	2/10/2022 4:36:00 PM	65448
Xylenes, Total	ND	0.48	mg/Kg	5	2/10/2022 4:36:00 PM	65448
Surr: 4-Bromofluorobenzene	95.5	70-130	%Rec	5	2/10/2022 4:36:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-12

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 8:55:00 AM

 **Lab ID:** 2202387-012
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	2600	150	mg/Kg	50	2/15/2022 1:35:11 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	50	10	mg/Kg	1	2/14/2022 8:24:54 PM	65454
Motor Oil Range Organics (MRO)	110	50	mg/Kg	1	2/14/2022 8:24:54 PM	65454
Surr: DNOP	90.1	51.1-141	%Rec	1	2/14/2022 8:24:54 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	2/10/2022 4:55:00 PM	65448
Surr: BFB	101	70-130	%Rec	5	2/10/2022 4:55:00 PM	65448
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	2/10/2022 4:55:00 PM	65448
Toluene	ND	0.25	mg/Kg	5	2/10/2022 4:55:00 PM	65448
Ethylbenzene	ND	0.25	mg/Kg	5	2/10/2022 4:55:00 PM	65448
Xylenes, Total	ND	0.49	mg/Kg	5	2/10/2022 4:55:00 PM	65448
Surr: 4-Bromofluorobenzene	95.2	70-130	%Rec	5	2/10/2022 4:55:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-13

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:00:00 AM

 **Lab ID:** 2202387-013
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	610	60	mg/Kg	20	2/12/2022 12:42:51 AM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	310	50	mg/Kg	5	2/11/2022 5:19:34 PM	65454
Motor Oil Range Organics (MRO)	600	250	mg/Kg	5	2/11/2022 5:19:34 PM	65454
Surr: DNOP	53.4	51.1-141	%Rec	5	2/11/2022 5:19:34 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/10/2022 5:15:00 PM	65448
Surr: BFB	103	70-130	%Rec	5	2/10/2022 5:15:00 PM	65448
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.12	mg/Kg	5	2/10/2022 5:15:00 PM	65448
Toluene	ND	0.24	mg/Kg	5	2/10/2022 5:15:00 PM	65448
Ethylbenzene	ND	0.24	mg/Kg	5	2/10/2022 5:15:00 PM	65448
Xylenes, Total	ND	0.49	mg/Kg	5	2/10/2022 5:15:00 PM	65448
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	5	2/10/2022 5:15:00 PM	65448

Refer to the QC Summary 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 Order **2202387**Date Reported: **2/22/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-14

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:05:00 AM

 **Lab ID:** 2202387-014
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	2200	59		mg/Kg	20	2/12/2022 12:55:15 AM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	1600	190		mg/Kg	20	2/10/2022 4:59:52 PM	65454
Motor Oil Range Organics (MRO)	2200	970		mg/Kg	20	2/10/2022 4:59:52 PM	65454
Surr: DNOP	0	51.1-141	S	%Rec	20	2/10/2022 4:59:52 PM	65454
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/10/2022 5:35:00 PM	65448
Surr: BFB	101	70-130		%Rec	5	2/10/2022 5:35:00 PM	65448
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.12		mg/Kg	5	2/10/2022 5:35:00 PM	65448
Toluene	ND	0.24		mg/Kg	5	2/10/2022 5:35:00 PM	65448
Ethylbenzene	ND	0.24		mg/Kg	5	2/10/2022 5:35:00 PM	65448
Xylenes, Total	ND	0.49		mg/Kg	5	2/10/2022 5:35:00 PM	65448
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	5	2/10/2022 5:35:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-15

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 9:10:00 AM

 Lab ID:
 2202387-015
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	1800	60		mg/Kg	20	2/12/2022 1:07:40 AM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	770	99		mg/Kg	10	2/11/2022 4:58:09 PM	65454
Motor Oil Range Organics (MRO)	1100	500		mg/Kg	10	2/11/2022 4:58:09 PM	65454
Surr: DNOP	0	51.1-141	S	%Rec	10	2/11/2022 4:58:09 PM	65454
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/10/2022 5:54:00 PM	65448
Surr: BFB	107	70-130		%Rec	5	2/10/2022 5:54:00 PM	65448
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.12		mg/Kg	5	2/10/2022 5:54:00 PM	65448
Toluene	ND	0.24		mg/Kg	5	2/10/2022 5:54:00 PM	65448
Ethylbenzene	ND	0.24		mg/Kg	5	2/10/2022 5:54:00 PM	65448
Xylenes, Total	ND	0.48		mg/Kg	5	2/10/2022 5:54:00 PM	65448
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	2/10/2022 5:54:00 PM	65448

Refer to the QC Summary 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 Order **2202387**Date Reported: **2/22/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-16

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:15:00 AM

 **Lab ID:** 2202387-016
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	1600	60		mg/Kg	20	2/12/2022 1:20:04 AM	65504
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	640	200		mg/Kg	20	2/10/2022 5:21:32 PM	65454
Motor Oil Range Organics (MRO)	1700	1000		mg/Kg	20	2/10/2022 5:21:32 PM	65454
Surr: DNOP	0	51.1-141	S	%Rec	20	2/10/2022 5:21:32 PM	65454
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/10/2022 6:14:00 PM	65448
Surr: BFB	108	70-130		%Rec	5	2/10/2022 6:14:00 PM	65448
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.12		mg/Kg	5	2/10/2022 6:14:00 PM	65448
Toluene	ND	0.24		mg/Kg	5	2/10/2022 6:14:00 PM	65448
Ethylbenzene	ND	0.24		mg/Kg	5	2/10/2022 6:14:00 PM	65448
Xylenes, Total	ND	0.48		mg/Kg	5	2/10/2022 6:14:00 PM	65448
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	2/10/2022 6:14:00 PM	65448

Refer to the QC Summary 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 Order **2202387**Date Reported: **2/22/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-17

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:20:00 AM

 **Lab ID:** 2202387-017
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	560	61		mg/Kg	20	2/12/2022 1:57:17 AM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	1400	200		mg/Kg	20	2/12/2022 2:21:51 AM	65454
Motor Oil Range Organics (MRO)	2100	990		mg/Kg	20	2/12/2022 2:21:51 AM	65454
Surr: DNOP	0	51.1-141	S	%Rec	20	2/12/2022 2:21:51 AM	65454
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/10/2022 6:34:00 PM	65448
Surr: BFB	109	70-130		%Rec	5	2/10/2022 6:34:00 PM	65448
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.12		mg/Kg	5	2/10/2022 6:34:00 PM	65448
Toluene	ND	0.24		mg/Kg	5	2/10/2022 6:34:00 PM	65448
Ethylbenzene	ND	0.24		mg/Kg	5	2/10/2022 6:34:00 PM	65448
Xylenes, Total	ND	0.48		mg/Kg	5	2/10/2022 6:34:00 PM	65448
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	2/10/2022 6:34:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-18

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 9:25:00 AM

 Lab ID:
 2202387-018
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	540	60		mg/Kg	20	2/12/2022 2:09:41 AM	65504
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	340	200		mg/Kg	20	2/10/2022 5:32:20 PM	65454
Motor Oil Range Organics (MRO)	1200	1000		mg/Kg	20	2/10/2022 5:32:20 PM	65454
Surr: DNOP	0	51.1-141	S	%Rec	20	2/10/2022 5:32:20 PM	65454
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/10/2022 6:54:00 PM	65448
Surr: BFB	105	70-130		%Rec	5	2/10/2022 6:54:00 PM	65448
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.12		mg/Kg	5	2/10/2022 6:54:00 PM	65448
Toluene	ND	0.24		mg/Kg	5	2/10/2022 6:54:00 PM	65448
Ethylbenzene	ND	0.24		mg/Kg	5	2/10/2022 6:54:00 PM	65448
Xylenes, Total	ND	0.49		mg/Kg	5	2/10/2022 6:54:00 PM	65448
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	2/10/2022 6:54:00 PM	65448

Refer to the QC Summary 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 Order **2202387**Date Reported: **2/22/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-19

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:30:00 AM

 **Lab ID:** 2202387-019
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2300	150	mg/Kg	50	2/15/2022 2:12:23 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	160	9.6	mg/Kg	1	2/11/2022 8:09:33 PM	65454
Motor Oil Range Organics (MRO)	240	48	mg/Kg	1	2/11/2022 8:09:33 PM	65454
Surr: DNOP	84.6	51.1-141	%Rec	1	2/11/2022 8:09:33 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/10/2022 7:14:00 PM	65448
Surr: BFB	106	70-130	%Rec	5	2/10/2022 7:14:00 PM	65448
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	2/10/2022 7:14:00 PM	65448
Toluene	ND	0.24	mg/Kg	5	2/10/2022 7:14:00 PM	65448
Ethylbenzene	ND	0.24	mg/Kg	5	2/10/2022 7:14:00 PM	65448
Xylenes, Total	ND	0.48	mg/Kg	5	2/10/2022 7:14:00 PM	65448
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	5	2/10/2022 7:14:00 PM	65448

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-20

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:35:00 AM

 **Lab ID:** 2202387-020
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: ЈМТ
Chloride	2600	150	mg/Kg	50	2/15/2022 2:24:48 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	1300	48	mg/Kg	5	2/11/2022 5:40:57 PM	65454
Motor Oil Range Organics (MRO)	1100	240	mg/Kg	5	2/11/2022 5:40:57 PM	65454
Surr: DNOP	73.2	51.1-141	%Rec	5	2/11/2022 5:40:57 PM	65454
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/10/2022 7:34:00 PM	65448
Surr: BFB	103	70-130	%Rec	5	2/10/2022 7:34:00 PM	65448
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	2/10/2022 7:34:00 PM	65448
Toluene	ND	0.24	mg/Kg	5	2/10/2022 7:34:00 PM	65448
Ethylbenzene	ND	0.24	mg/Kg	5	2/10/2022 7:34:00 PM	65448
Xylenes, Total	ND	0.49	mg/Kg	5	2/10/2022 7:34:00 PM	65448
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	5	2/10/2022 7:34:00 PM	65448

Refer to the QC Summary 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 Order **2202387**Date Reported: **2/22/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-21

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:40:00 AM

 **Lab ID:** 2202387-021
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: ЈМТ
Chloride	3300	150		mg/Kg	50	2/15/2022 2:37:12 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	4300	490		mg/Kg	50	2/10/2022 6:15:12 PM	65458
Motor Oil Range Organics (MRO)	4600	2400		mg/Kg	50	2/10/2022 6:15:12 PM	65458
Surr: DNOP	0	51.1-141	S	%Rec	50	2/10/2022 6:15:12 PM	65458
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	5	2/10/2022 9:52:00 PM	65453
Surr: BFB	111	70-130		%Rec	5	2/10/2022 9:52:00 PM	65453
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.12		mg/Kg	5	2/10/2022 9:52:00 PM	65453
Toluene	ND	0.24		mg/Kg	5	2/10/2022 9:52:00 PM	65453
Ethylbenzene	ND	0.24		mg/Kg	5	2/10/2022 9:52:00 PM	65453
Xylenes, Total	ND	0.48		mg/Kg	5	2/10/2022 9:52:00 PM	65453
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	5	2/10/2022 9:52:00 PM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-22

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:45:00 AM

 **Lab ID:** 2202387-022
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3800	150	mg/Kg	50	2/15/2022 2:49:36 PM	65504
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/10/2022 6:25:54 PM	65458
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/10/2022 6:25:54 PM	65458
Surr: DNOP	116	51.1-141	%Rec	1	2/10/2022 6:25:54 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/10/2022 10:52:00 PM	65453
Surr: BFB	93.1	70-130	%Rec	1	2/10/2022 10:52:00 PM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/10/2022 10:52:00 PM	65453
Toluene	ND	0.049	mg/Kg	1	2/10/2022 10:52:00 PM	65453
Ethylbenzene	ND	0.049	mg/Kg	1	2/10/2022 10:52:00 PM	65453
Xylenes, Total	ND	0.099	mg/Kg	1	2/10/2022 10:52:00 PM	65453
Surr: 4-Bromofluorobenzene	87.5	70-130	%Rec	1	2/10/2022 10:52:00 PM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-23

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:50:00 AM

 **Lab ID:** 2202387-023
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	2300	60		mg/Kg	20	2/12/2022 10:09:38 AM	65508
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	1800	180		mg/Kg	20	2/10/2022 6:36:34 PM	65458
Motor Oil Range Organics (MRO)	1800	910		mg/Kg	20	2/10/2022 6:36:34 PM	65458
Surr: DNOP	0	51.1-141	S	%Rec	20	2/10/2022 6:36:34 PM	65458
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	2/10/2022 11:51:00 PM	65453
Surr: BFB	101	70-130		%Rec	5	2/10/2022 11:51:00 PM	65453
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.12		mg/Kg	5	2/10/2022 11:51:00 PM	65453
Toluene	ND	0.23		mg/Kg	5	2/10/2022 11:51:00 PM	65453
Ethylbenzene	ND	0.23		mg/Kg	5	2/10/2022 11:51:00 PM	65453
Xylenes, Total	ND	0.47		mg/Kg	5	2/10/2022 11:51:00 PM	65453
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	5	2/10/2022 11:51:00 PM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-24

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 9:55:00 AM

 **Lab ID:** 2202387-024
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	740	60		mg/Kg	20	2/12/2022 10:22:02 AM	65508
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	830	190		mg/Kg	20	2/10/2022 6:47:15 PM	65458
Motor Oil Range Organics (MRO)	1200	960		mg/Kg	20	2/10/2022 6:47:15 PM	65458
Surr: DNOP	0	51.1-141	S	%Rec	20	2/10/2022 6:47:15 PM	65458
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/11/2022 12:11:00 AM	65453
Surr: BFB	104	70-130		%Rec	5	2/11/2022 12:11:00 AM	65453
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.12		mg/Kg	5	2/11/2022 12:11:00 AM	65453
Toluene	ND	0.24		mg/Kg	5	2/11/2022 12:11:00 AM	65453
Ethylbenzene	ND	0.24		mg/Kg	5	2/11/2022 12:11:00 AM	65453
Xylenes, Total	ND	0.49		mg/Kg	5	2/11/2022 12:11:00 AM	65453
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	5	2/11/2022 12:11:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-25

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 10:00:00 AM

 Lab ID:
 2202387-025
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	810	60	mg/Kg	20	2/12/2022 10:34:27 AM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	270	48	mg/Kg	5	2/11/2022 6:02:18 PM	65458
Motor Oil Range Organics (MRO)	850	240	mg/Kg	5	2/11/2022 6:02:18 PM	65458
Surr: DNOP	81.9	51.1-141	%Rec	5	2/11/2022 6:02:18 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/11/2022 12:30:00 AM	65453
Surr: BFB	102	70-130	%Rec	5	2/11/2022 12:30:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	2/11/2022 12:30:00 AM	65453
Toluene	ND	0.24	mg/Kg	5	2/11/2022 12:30:00 AM	65453
Ethylbenzene	ND	0.24	mg/Kg	5	2/11/2022 12:30:00 AM	65453
Xylenes, Total	ND	0.48	mg/Kg	5	2/11/2022 12:30:00 AM	65453
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	5	2/11/2022 12:30:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-26

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 10:05:00 AM

 Lab ID:
 2202387-026
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	920	60	mg/Kg	20	2/12/2022 10:46:51 AM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	49	9.7	mg/Kg	1	2/11/2022 8:30:41 PM	65458
Motor Oil Range Organics (MRO)	89	48	mg/Kg	1	2/11/2022 8:30:41 PM	65458
Surr: DNOP	68.9	51.1-141	%Rec	1	2/11/2022 8:30:41 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/11/2022 12:50:00 AM	65453
Surr: BFB	94.6	70-130	%Rec	1	2/11/2022 12:50:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/11/2022 12:50:00 AM	65453
Toluene	ND	0.049	mg/Kg	1	2/11/2022 12:50:00 AM	65453
Ethylbenzene	ND	0.049	mg/Kg	1	2/11/2022 12:50:00 AM	65453
Xylenes, Total	ND	0.098	mg/Kg	1	2/11/2022 12:50:00 AM	65453
Surr: 4-Bromofluorobenzene	94.7	70-130	%Rec	1	2/11/2022 12:50:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-27

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 10:10:00 AM

 **Lab ID:** 2202387-027
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1300	61	mg/Kg	20	2/12/2022 10:59:15 AM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/10/2022 7:19:09 PM	65458
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/10/2022 7:19:09 PM	65458
Surr: DNOP	66.1	51.1-141	%Rec	1	2/10/2022 7:19:09 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/11/2022 1:10:00 AM	65453
Surr: BFB	96.6	70-130	%Rec	1	2/11/2022 1:10:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/11/2022 1:10:00 AM	65453
Toluene	ND	0.047	mg/Kg	1	2/11/2022 1:10:00 AM	65453
Ethylbenzene	ND	0.047	mg/Kg	1	2/11/2022 1:10:00 AM	65453
Xylenes, Total	ND	0.095	mg/Kg	1	2/11/2022 1:10:00 AM	65453
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	2/11/2022 1:10:00 AM	65453

Refer to the QC Summary 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 Order **2202387**Date Reported: **2/22/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-28

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 10:15:00 AM

 Lab ID:
 2202387-028
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	180	60	mg/Kg	20	2/12/2022 11:11:40 AM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/10/2022 7:29:44 PM	65458
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/10/2022 7:29:44 PM	65458
Surr: DNOP	71.8	51.1-141	%Rec	1	2/10/2022 7:29:44 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/11/2022 1:30:00 AM	65453
Surr: BFB	99.5	70-130	%Rec	1	2/11/2022 1:30:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/11/2022 1:30:00 AM	65453
Toluene	ND	0.050	mg/Kg	1	2/11/2022 1:30:00 AM	65453
Ethylbenzene	ND	0.050	mg/Kg	1	2/11/2022 1:30:00 AM	65453
Xylenes, Total	ND	0.099	mg/Kg	1	2/11/2022 1:30:00 AM	65453
Surr: 4-Bromofluorobenzene	97.2	70-130	%Rec	1	2/11/2022 1:30:00 AM	65453

Refer to the QC Summary 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:** GHD Midland

### **Analytical Report**

Lab Order **2202387**Date Reported: **2/22/2022** 

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-1

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 10:30:00 AM

 Lab ID:
 2202387-029
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	2/12/2022 11:24:04 AM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/10/2022 7:40:18 PM	65458
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/10/2022 7:40:18 PM	65458
Surr: DNOP	66.9	51.1-141	%Rec	1	2/10/2022 7:40:18 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/11/2022 1:49:00 AM	65453
Surr: BFB	96.0	70-130	%Rec	1	2/11/2022 1:49:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	2/11/2022 1:49:00 AM	65453
Toluene	ND	0.047	mg/Kg	1	2/11/2022 1:49:00 AM	65453
Ethylbenzene	ND	0.047	mg/Kg	1	2/11/2022 1:49:00 AM	65453
Xylenes, Total	ND	0.093	mg/Kg	1	2/11/2022 1:49:00 AM	65453
Surr: 4-Bromofluorobenzene	98.9	70-130	%Rec	1	2/11/2022 1:49:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-2

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 10:35:00 AM

 Lab ID:
 2202387-030
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	60	60	mg/Kg	20	2/12/2022 11:36:29 AM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/10/2022 7:50:55 PM	65458
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/10/2022 7:50:55 PM	65458
Surr: DNOP	60.1	51.1-141	%Rec	1	2/10/2022 7:50:55 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/11/2022 2:09:00 AM	65453
Surr: BFB	96.9	70-130	%Rec	1	2/11/2022 2:09:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/11/2022 2:09:00 AM	65453
Toluene	ND	0.048	mg/Kg	1	2/11/2022 2:09:00 AM	65453
Ethylbenzene	ND	0.048	mg/Kg	1	2/11/2022 2:09:00 AM	65453
Xylenes, Total	ND	0.095	mg/Kg	1	2/11/2022 2:09:00 AM	65453
Surr: 4-Bromofluorobenzene	92.6	70-130	%Rec	1	2/11/2022 2:09:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-3

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 10:40:00 AM

 Lab ID:
 2202387-031
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	2/12/2022 12:13:42 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/10/2022 8:01:31 PM	65458
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/10/2022 8:01:31 PM	65458
Surr: DNOP	75.0	51.1-141	%Rec	1	2/10/2022 8:01:31 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/11/2022 3:27:00 AM	65453
Surr: BFB	94.7	70-130	%Rec	1	2/11/2022 3:27:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	2/11/2022 3:27:00 AM	65453
Toluene	ND	0.047	mg/Kg	1	2/11/2022 3:27:00 AM	65453
Ethylbenzene	ND	0.047	mg/Kg	1	2/11/2022 3:27:00 AM	65453
Xylenes, Total	ND	0.093	mg/Kg	1	2/11/2022 3:27:00 AM	65453
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	2/11/2022 3:27:00 AM	65453

Refer to the QC Summary 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 **2202387**Date Reported: **2/22/2022** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-4

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 10:45:00 AM

 Lab ID:
 2202387-032
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	110	60	mg/Kg	20	2/12/2022 12:26:06 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	66	10	mg/Kg	1	2/11/2022 8:51:47 PM	65458
Motor Oil Range Organics (MRO)	170	50	mg/Kg	1	2/11/2022 8:51:47 PM	65458
Surr: DNOP	75.7	51.1-141	%Rec	1	2/11/2022 8:51:47 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/11/2022 3:47:00 AM	65453
Surr: BFB	102	70-130	%Rec	1	2/11/2022 3:47:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/11/2022 3:47:00 AM	65453
Toluene	ND	0.047	mg/Kg	1	2/11/2022 3:47:00 AM	65453
Ethylbenzene	ND	0.047	mg/Kg	1	2/11/2022 3:47:00 AM	65453
Xylenes, Total	ND	0.094	mg/Kg	1	2/11/2022 3:47:00 AM	65453
Surr: 4-Bromofluorobenzene	94.5	70-130	%Rec	1	2/11/2022 3:47:00 AM	65453

Refer to the QC Summary 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:** GHD Midland

### **Analytical Report**

Lab Order **2202387**Date Reported: **2/22/2022** 

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-5

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 10:50:00 AM

 Lab ID:
 2202387-033
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	65	60	mg/Kg	20	2/12/2022 12:38:31 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/10/2022 8:22:38 PM	65458
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/10/2022 8:22:38 PM	65458
Surr: DNOP	72.8	51.1-141	%Rec	1	2/10/2022 8:22:38 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/11/2022 4:07:00 AM	65453
Surr: BFB	95.3	70-130	%Rec	1	2/11/2022 4:07:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/11/2022 4:07:00 AM	65453
Toluene	ND	0.048	mg/Kg	1	2/11/2022 4:07:00 AM	65453
Ethylbenzene	ND	0.048	mg/Kg	1	2/11/2022 4:07:00 AM	65453
Xylenes, Total	ND	0.095	mg/Kg	1	2/11/2022 4:07:00 AM	65453
Surr: 4-Bromofluorobenzene	92.6	70-130	%Rec	1	2/11/2022 4:07:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-6

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 10:55:00 AM

 Lab ID:
 2202387-034
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	2/12/2022 12:50:55 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	62	9.8	mg/Kg	1	2/11/2022 9:12:54 PM	65458
Motor Oil Range Organics (MRO)	240	49	mg/Kg	1	2/11/2022 9:12:54 PM	65458
Surr: DNOP	62.4	51.1-141	%Rec	1	2/11/2022 9:12:54 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/11/2022 4:26:00 AM	65453
Surr: BFB	102	70-130	%Rec	5	2/11/2022 4:26:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	2/11/2022 4:26:00 AM	65453
Toluene	ND	0.24	mg/Kg	5	2/11/2022 4:26:00 AM	65453
Ethylbenzene	ND	0.24	mg/Kg	5	2/11/2022 4:26:00 AM	65453
Xylenes, Total	ND	0.48	mg/Kg	5	2/11/2022 4:26:00 AM	65453
Surr: 4-Bromofluorobenzene	98.9	70-130	%Rec	5	2/11/2022 4:26:00 AM	65453

Refer to the QC Summary 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 **2202387**Date Reported: **2/22/2022** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-7

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 11:00:00 AM

 Lab ID:
 2202387-035
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	77	60	mg/Kg	20	2/12/2022 1:03:19 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	98	9.7	mg/Kg	1	2/11/2022 9:34:01 PM	65458
Motor Oil Range Organics (MRO)	290	49	mg/Kg	1	2/11/2022 9:34:01 PM	65458
Surr: DNOP	82.9	51.1-141	%Rec	1	2/11/2022 9:34:01 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/11/2022 4:46:00 AM	65453
Surr: BFB	99.8	70-130	%Rec	5	2/11/2022 4:46:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	:: RAA
Benzene	ND	0.12	mg/Kg	5	2/11/2022 4:46:00 AM	65453
Toluene	ND	0.24	mg/Kg	5	2/11/2022 4:46:00 AM	65453
Ethylbenzene	ND	0.24	mg/Kg	5	2/11/2022 4:46:00 AM	65453
Xylenes, Total	ND	0.48	mg/Kg	5	2/11/2022 4:46:00 AM	65453
Surr: 4-Bromofluorobenzene	97.3	70-130	%Rec	5	2/11/2022 4:46:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-8

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 11:05:00 AM

 Lab ID:
 2202387-036
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	2/12/2022 1:15:43 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	14	9.0	mg/Kg	1	2/14/2022 8:48:53 PM	65458
Motor Oil Range Organics (MRO)	46	45	mg/Kg	1	2/14/2022 8:48:53 PM	65458
Surr: DNOP	82.4	51.1-141	%Rec	1	2/14/2022 8:48:53 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/11/2022 5:06:00 AM	65453
Surr: BFB	100	70-130	%Rec	1	2/11/2022 5:06:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/11/2022 5:06:00 AM	65453
Toluene	ND	0.048	mg/Kg	1	2/11/2022 5:06:00 AM	65453
Ethylbenzene	ND	0.048	mg/Kg	1	2/11/2022 5:06:00 AM	65453
Xylenes, Total	ND	0.097	mg/Kg	1	2/11/2022 5:06:00 AM	65453
Surr: 4-Bromofluorobenzene	92.9	70-130	%Rec	1	2/11/2022 5:06:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-9

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 11:10:00 AM

 Lab ID:
 2202387-037
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: ЈМТ
Chloride	65	60	mg/Kg	20	2/12/2022 1:28:08 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	8.1	mg/Kg	1	2/10/2022 9:04:43 PM	65458
Motor Oil Range Organics (MRO)	ND	41	mg/Kg	1	2/10/2022 9:04:43 PM	65458
Surr: DNOP	67.5	51.1-141	%Rec	1	2/10/2022 9:04:43 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/11/2022 5:25:00 AM	65453
Surr: BFB	99.0	70-130	%Rec	1	2/11/2022 5:25:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	:: RAA
Benzene	ND	0.023	mg/Kg	1	2/11/2022 5:25:00 AM	65453
Toluene	ND	0.046	mg/Kg	1	2/11/2022 5:25:00 AM	65453
Ethylbenzene	ND	0.046	mg/Kg	1	2/11/2022 5:25:00 AM	65453
Xylenes, Total	ND	0.093	mg/Kg	1	2/11/2022 5:25:00 AM	65453
Surr: 4-Bromofluorobenzene	91.9	70-130	%Rec	1	2/11/2022 5:25:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-29

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 1:00:00 PM

 Lab ID:
 2202387-038
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1000	59	mg/Kg	20	2/12/2022 1:40:32 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	41	9.6	mg/Kg	1	2/11/2022 10:16:19 PM	65458
Motor Oil Range Organics (MRO)	76	48	mg/Kg	1	2/11/2022 10:16:19 PM	65458
Surr: DNOP	136	51.1-141	%Rec	1	2/11/2022 10:16:19 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/11/2022 5:45:00 AM	65453
Surr: BFB	95.7	70-130	%Rec	1	2/11/2022 5:45:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/11/2022 5:45:00 AM	65453
Toluene	ND	0.048	mg/Kg	1	2/11/2022 5:45:00 AM	65453
Ethylbenzene	ND	0.048	mg/Kg	1	2/11/2022 5:45:00 AM	65453
Xylenes, Total	ND	0.096	mg/Kg	1	2/11/2022 5:45:00 AM	65453
Surr: 4-Bromofluorobenzene	89.1	70-130	%Rec	1	2/11/2022 5:45:00 AM	65453

Refer to the QC Summary 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 **2202387**Date Reported: **2/22/2022** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-30

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 1:05:00 PM

 Lab ID:
 2202387-039
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	980	60	mg/Kg	20	2/12/2022 1:52:56 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	170	48	mg/Kg	5	2/11/2022 6:23:35 PM	65458
Motor Oil Range Organics (MRO)	290	240	mg/Kg	5	2/11/2022 6:23:35 PM	65458
Surr: DNOP	57.2	51.1-141	%Rec	5	2/11/2022 6:23:35 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/11/2022 6:05:00 AM	65453
Surr: BFB	101	70-130	%Rec	5	2/11/2022 6:05:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	2/11/2022 6:05:00 AM	65453
Toluene	ND	0.24	mg/Kg	5	2/11/2022 6:05:00 AM	65453
Ethylbenzene	ND	0.24	mg/Kg	5	2/11/2022 6:05:00 AM	65453
Xylenes, Total	ND	0.49	mg/Kg	5	2/11/2022 6:05:00 AM	65453
Surr: 4-Bromofluorobenzene	95.5	70-130	%Rec	5	2/11/2022 6:05:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-31

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 1:10:00 PM

 Lab ID:
 2202387-040
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	1200	60	mg/Kg	20	2/12/2022 2:05:20 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	140	9.2	mg/Kg	1	2/11/2022 10:37:29 PM	65458
Motor Oil Range Organics (MRO)	190	46	mg/Kg	1	2/11/2022 10:37:29 PM	65458
Surr: DNOP	67.2	51.1-141	%Rec	1	2/11/2022 10:37:29 PM	65458
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/11/2022 6:24:00 AM	65453
Surr: BFB	101	70-130	%Rec	5	2/11/2022 6:24:00 AM	65453
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	2/11/2022 6:24:00 AM	65453
Toluene	ND	0.24	mg/Kg	5	2/11/2022 6:24:00 AM	65453
Ethylbenzene	ND	0.24	mg/Kg	5	2/11/2022 6:24:00 AM	65453
Xylenes, Total	ND	0.47	mg/Kg	5	2/11/2022 6:24:00 AM	65453
Surr: 4-Bromofluorobenzene	98.1	70-130	%Rec	5	2/11/2022 6:24:00 AM	65453

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-32

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 1:15:00 PM

 **Lab ID:** 2202387-041
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: ЈМТ
Chloride	1000	60	mg/Kg	20	2/12/2022 2:42:34 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	180	50	mg/Kg	5	2/15/2022 12:05:40 PM	65470
Motor Oil Range Organics (MRO)	310	250	mg/Kg	5	2/15/2022 12:05:40 PM	65470
Surr: DNOP	112	51.1-141	%Rec	5	2/15/2022 12:05:40 PM	65470
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	2/11/2022 12:43:58 AM	65457
Surr: BFB	116	70-130	%Rec	5	2/11/2022 12:43:58 AM	65457
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	2/11/2022 12:43:58 AM	65457
Toluene	ND	0.25	mg/Kg	5	2/11/2022 12:43:58 AM	65457
Ethylbenzene	ND	0.25	mg/Kg	5	2/11/2022 12:43:58 AM	65457
Xylenes, Total	ND	0.49	mg/Kg	5	2/11/2022 12:43:58 AM	65457
Surr: 4-Bromofluorobenzene	109	70-130	%Rec	5	2/11/2022 12:43:58 AM	65457

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-33

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 1:20:00 PM

 **Lab ID:** 2202387-042
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	680	60		mg/Kg	20	2/12/2022 3:19:46 PM	65508
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	210	97		mg/Kg	10	2/15/2022 10:53:32 PM	65470
Motor Oil Range Organics (MRO)	760	480		mg/Kg	10	2/15/2022 10:53:32 PM	65470
Surr: DNOP	0	51.1-141	S	%Rec	10	2/15/2022 10:53:32 PM	65470
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/11/2022 1:54:28 AM	65457
Surr: BFB	111	70-130		%Rec	5	2/11/2022 1:54:28 AM	65457
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2022 1:54:28 AM	65457
Toluene	ND	0.24		mg/Kg	5	2/11/2022 1:54:28 AM	65457
Ethylbenzene	ND	0.24		mg/Kg	5	2/11/2022 1:54:28 AM	65457
Xylenes, Total	ND	0.47		mg/Kg	5	2/11/2022 1:54:28 AM	65457
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	2/11/2022 1:54:28 AM	65457

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-34

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 1:25:00 PM

 Lab ID:
 2202387-043
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	720	60		mg/Kg	20	2/14/2022 5:16:28 PM	65522
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	200	100		mg/Kg	10	2/15/2022 10:21:51 PM	65470
Motor Oil Range Organics (MRO)	680	500		mg/Kg	10	2/15/2022 10:21:51 PM	65470
Surr: DNOP	0	51.1-141	S	%Rec	10	2/15/2022 10:21:51 PM	65470
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/11/2022 3:04:59 AM	65457
Surr: BFB	114	70-130		%Rec	5	2/11/2022 3:04:59 AM	65457
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.12		mg/Kg	5	2/11/2022 3:04:59 AM	65457
Toluene	ND	0.25		mg/Kg	5	2/11/2022 3:04:59 AM	65457
Ethylbenzene	ND	0.25		mg/Kg	5	2/11/2022 3:04:59 AM	65457
Xylenes, Total	ND	0.50		mg/Kg	5	2/11/2022 3:04:59 AM	65457
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	2/11/2022 3:04:59 AM	65457

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-35

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 1:30:00 PM

 Lab ID:
 2202387-044
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	660	60	mg/Kg	20	2/14/2022 5:28:54 PM	65522
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	140	47	mg/Kg	5	2/15/2022 11:04:10 PM	65470
Motor Oil Range Organics (MRO)	420	230	mg/Kg	5	2/15/2022 11:04:10 PM	65470
Surr: DNOP	92.3	51.1-141	%Rec	5	2/15/2022 11:04:10 PM	65470
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	2/11/2022 3:28:25 AM	65457
Surr: BFB	113	70-130	%Rec	5	2/11/2022 3:28:25 AM	65457
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	2/11/2022 3:28:25 AM	65457
Toluene	ND	0.23	mg/Kg	5	2/11/2022 3:28:25 AM	65457
Ethylbenzene	ND	0.23	mg/Kg	5	2/11/2022 3:28:25 AM	65457
Xylenes, Total	ND	0.47	mg/Kg	5	2/11/2022 3:28:25 AM	65457
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	5	2/11/2022 3:28:25 AM	65457

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-36

**Project:** Jackson AT Battery
 Collection Date: 2/8/2022 1:35:00 PM

 **Lab ID:** 2202387-045
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	700	61	mg/Kg	20	2/14/2022 6:06:08 PM	65541
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	130	48	mg/Kg	5	2/15/2022 10:42:58 PM	65470
Motor Oil Range Organics (MRO)	360	240	mg/Kg	5	2/15/2022 10:42:58 PM	65470
Surr: DNOP	73.8	51.1-141	%Rec	5	2/15/2022 10:42:58 PM	65470
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/11/2022 4:38:40 AM	65457
Surr: BFB	113	70-130	%Rec	5	2/11/2022 4:38:40 AM	65457
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	2/11/2022 4:38:40 AM	65457
Toluene	ND	0.24	mg/Kg	5	2/11/2022 4:38:40 AM	65457
Ethylbenzene	ND	0.24	mg/Kg	5	2/11/2022 4:38:40 AM	65457
Xylenes, Total	ND	0.49	mg/Kg	5	2/11/2022 4:38:40 AM	65457
Surr: 4-Bromofluorobenzene	106	70-130	%Rec	5	2/11/2022 4:38:40 AM	65457

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-37

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 1:40:00 PM

 Lab ID:
 2202387-046
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	700	60	mg/Kg	20	2/14/2022 6:43:22 PM	65541
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	160	49	mg/Kg	5	2/16/2022 2:05:16 PM	65470
Motor Oil Range Organics (MRO)	330	250	mg/Kg	5	2/16/2022 2:05:16 PM	65470
Surr: DNOP	110	51.1-141	%Rec	5	2/16/2022 2:05:16 PM	65470
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	23	mg/Kg	5	2/11/2022 5:02:02 AM	65457
Surr: BFB	109	70-130	%Rec	5	2/11/2022 5:02:02 AM	65457
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	2/11/2022 5:02:02 AM	65457
Toluene	ND	0.23	mg/Kg	5	2/11/2022 5:02:02 AM	65457
Ethylbenzene	ND	0.23	mg/Kg	5	2/11/2022 5:02:02 AM	65457
Xylenes, Total	ND	0.46	mg/Kg	5	2/11/2022 5:02:02 AM	65457
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	5	2/11/2022 5:02:02 AM	65457

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

Qualifiers:

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

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Date Reported: 2/22/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-38

 Project:
 Jackson AT Battery
 Collection Date: 2/8/2022 1:45:00 PM

 Lab ID:
 2202387-047
 Matrix: SOIL
 Received Date: 2/9/2022 8:21:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	750	60	mg/Kg	20	2/14/2022 6:55:47 PM	65541
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	140	43	mg/Kg	5	2/16/2022 11:40:17 AM	65470
Motor Oil Range Organics (MRO)	280	220	mg/Kg	5	2/16/2022 11:40:17 AM	65470
Surr: DNOP	114	51.1-141	%Rec	5	2/16/2022 11:40:17 AM	65470
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/11/2022 9:06:10 AM	65457
Surr: BFB	112	70-130	%Rec	5	2/11/2022 9:06:10 AM	65457
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	2/11/2022 9:06:10 AM	65457
Toluene	ND	0.24	mg/Kg	5	2/11/2022 9:06:10 AM	65457
Ethylbenzene	ND	0.24	mg/Kg	5	2/11/2022 9:06:10 AM	65457
Xylenes, Total	ND	0.47	mg/Kg	5	2/11/2022 9:06:10 AM	65457
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	5	2/11/2022 9:06:10 AM	65457

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

Qualifiers:

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

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#### Hall Environmental Analysis Laboratory, Inc.

2202387

WO#:

22-Feb-22

**Client:** GHD Midland **Project:** Jackson AT Battery

Sample ID: MB-65494 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65494 RunNo: 85797

Prep Date: 2/11/2022 Analysis Date: 2/11/2022 SeqNo: 3020755 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65494 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65494 RunNo: 85797

Prep Date: 2/11/2022 Analysis Date: 2/11/2022 SeqNo: 3020756 Units: mg/Kg

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

Chloride 14 1.5 15.00 93.6 110

Sample ID: MB-65504 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65504 RunNo: 85798

Prep Date: 2/11/2022 Analysis Date: 2/11/2022 SeqNo: 3020904 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65504 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65504 RunNo: 85798

Analysis Date: 2/11/2022 Prep Date: 2/11/2022 SeqNo: 3020905 Units: mg/Kg

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

Chloride 14 1.5 15.00 96.1 90

Sample ID: MB-65508 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65508 RunNo: 85802

Prep Date: 2/12/2022 Analysis Date: 2/12/2022 SeqNo: 3021341 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65508 TestCode: EPA Method 300.0: Anions SampType: Ics

Client ID: LCSS Batch ID: 65508 RunNo: 85802

Prep Date: 2/12/2022 Analysis Date: 2/12/2022 SeqNo: 3021342 Units: mg/Kg

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

14 1.5 94.2 Chloride 15.00 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

Holding times for preparation or analysis exceeded Н

Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

% Recovery outside of range due to dilution or matrix interference

Analyte detected in the associated Method Blank

Estimated value

Analyte detected below quantitation limits

Sample pH Not In Range

RL Reporting Limit Page 48 of 58

#### Hall Environmental Analysis Laboratory, Inc.

2202387

WO#:

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65522 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65522 RunNo: 85813

Prep Date: 2/14/2022 Analysis Date: 2/14/2022 SeqNo: 3022360 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65522 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65522 RunNo: 85813

Prep Date: 2/14/2022 Analysis Date: 2/14/2022 SeqNo: 3022361 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.0 90 110

Sample ID: 2202387-045AMSD SampType: msd TestCode: EPA Method 300.0: Anions

Client ID: **BH-36** Batch ID: **65541** RunNo: **85813** 

Prep Date: 2/14/2022 Analysis Date: 2/14/2022 SeqNo: 3022398 Units: mg/Kg

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

Chloride 720 60 30.00 696.8 88.7 57.5 166 17.7 20

Sample ID: MB-65541 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **65541** RunNo: **85813** 

Prep Date: 2/14/2022 Analysis Date: 2/14/2022 SeqNo: 3022424 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65541 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65541 RunNo: 85813

Prep Date: 2/14/2022 Analysis Date: 2/15/2022 SeqNo: 3022425 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.8 90 110

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202387** 

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202387-001AMS	SampTy	/pe: <b>MS</b>	<b>;</b>	Tes	tCode: El	PA Method	d 8015M/D: Diesel Range Organics						
Client ID: BH-1	Batch	ID: <b>65</b> 4	<b>454</b>	R	lunNo: 8	5759							
Prep Date: 2/9/2022	Analysis Da	ate: <b>2/</b>	10/2022	S	SeqNo: 3	019445	Units: mg/K	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	43	9.8	49.02	5.410	77.4	39.3	155						
Surr: DNOP	3.0		4.902		61.7	51.1	141						

Sample ID: 2202387-001AMSI	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: BH-1	Batch	n ID: <b>65</b>	454	F	RunNo: 8	5759				
Prep Date: 2/9/2022	Analysis D	oate: 2/	10/2022	8	SeqNo: 3	019446	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.8	49.12	5.410	76.6	39.3	155	0.765	23.4	
Surr: DNOP	3.1		4.912		63.0	51.1	141	0	0	

Sample ID: LCS-65454	SampT	ype: <b>LC</b>	s	Test	tCode: El	PA Method	8015M/D: Die	esel Range	sel Range Organics				
Client ID: LCSS	Batch	ID: <b>65</b> 4	454	R	tunNo: 8	5759							
Prep Date: 2/9/2022 Analysis Date: 2/10/2022				S	SeqNo: 30	019510	Units: mg/K	(g					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	41	10	50.00	0	82.2	68.9	135						
Surr: DNOP	3.8		5.000		75.9	51.1	141						

Sample ID: LCS-65458	SampT	ype: <b>LC</b>	S	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	n ID: <b>65</b>	458	F	RunNo: 8	5759				
Prep Date: 2/9/2022	Analysis D	oate: 2/	10/2022	S	SeqNo: 3	019511	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.9	68.9	135			
Surr: DNOP	3.7		5.000		73.9	51.1	141			

Sample ID: MB-65454	SampT	ype: <b>ME</b>	BLK	Tes	tCode: El	ode: EPA Method 8015M/D: Diesel Range Organ						
Client ID: PBS	Batch	n ID: <b>65</b> 4	454	F	RunNo: 8	5759						
Prep Date: <b>2/9/2022</b>	Analysis D	ate: <b>2/</b>	10/2022	9	SeqNo: 3	019513	Units: mg/K	(g				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual		
Diesel Range Organics (DRO)	ND	10										
Motor Oil Range Organics (MRO)	ND	50										
Surr: DNOP	8.9		10.00		89.3	51.1	141					

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202387 22-Feb-22** 

Client:	GHD Midland
Project:	Jackson AT Battery

Project: Jackson	AT battery		
Sample ID: <b>MB-65458</b>	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65458	RunNo: <b>85759</b>	
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: <b>3019514</b>	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 8.8 10.00	88.2 51.1	141
Guil. BIYOI	0.0 10.00	00.2 01.1	171
Sample ID: MB-65470	SampType: MBLK	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65470	RunNo: <b>85809</b>	
Prep Date: 2/10/2022	Analysis Date: 2/14/2022	SeqNo: <b>3022503</b>	Units: mg/Kg
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10		
Motor Oil Range Organics (MRO) Surr: DNOP	ND 50 9.5 10.00	95.2 51.1	141
Suil. Divol	3.3 10.00	33.2 31.1	171
Sample ID: LCS-65470	SampType: LCS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 65470	RunNo: <b>85809</b>	
Prep Date: <b>2/10/2022</b>	Analysis Date: 2/14/2022	SeqNo: <b>3022504</b>	Units: mg/Kg
Analyte		SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	51 10 50.00	0 101 68.9	135
Surr: DNOP	4.4 5.000	87.8 51.1	141
Sample ID: 2202387-041AMS	SD SampType: MSD	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: BH-32	Batch ID: 65470	RunNo: <b>85857</b>	
Prep Date: 2/10/2022	Analysis Date: 2/15/2022	SeqNo: <b>3023376</b>	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	220 48 48.08	182.2 81.1 39.3	155 22.1 23.4
Surr: DNOP	2.5 4.808	51.1 51.1	141 0 0
Sample ID: 2202387-041AMS	S SampType: MS	TestCode: EPA Method	8015M/D: Diesel Range Organics
Client ID: BH-32	Batch ID: 65470	RunNo: <b>85859</b>	
Prep Date: 2/10/2022	Analysis Date: 2/15/2022	SeqNo: <b>3023639</b>	Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit	HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	180 46 45.91	182.2 -11.0 39.3	155 S
Surr: DNOP	4.1 4.591	89.0 51.1	141

#### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: 2202387

22-Feb-22

Client:	GHD Midland
Project:	Jackson AT Battery

Project: Jackson	AT Battery								
Sample ID: <b>mb-65457</b>	SampType: <b>M</b>	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: PBS	Batch ID: 65	5457	F	RunNo: 8	5758				
Prep Date: 2/9/2022	Analysis Date: 2	/11/2022	9	SeqNo: 3	019307	Units: mg/h	<b>(</b> g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND 5.0			440	70	400			
Surr: BFB	1100	1000		113	70	130			
Sample ID: Ics-65457	SampType: Lo	cs	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: LCSS	Batch ID: 65	5457	F	RunNo: 8	5758				
Prep Date: 2/9/2022	Analysis Date: 2	/10/2022	8	SeqNo: 3	019309	Units: mg/h	<b>(</b> g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27 5.0		0	107	78.6	131			
Surr: BFB	1200	1000		125	70	130			
Sample ID: 2202387-041ams	SampType: M	S	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: BH-32	Batch ID: 65	5457	F	RunNo: 8	5758				
Prep Date: 2/9/2022	Analysis Date: 2	/11/2022	\$	SeqNo: 3	019311	Units: mg/k	<b>(</b> g		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30 25		0	121	70	130			
Surr: BFB	5800	4907		118	70	130			
Sample ID: 2202387-041ams	d SampType: M	SD	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: BH-32	Batch ID: 65	5457	F	RunNo: 8	5758				
Prep Date: 2/9/2022	Analysis Date: 2	/11/2022	8	SeqNo: 3	019312	Units: mg/h	<b>(</b> g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30 25		0	120	70	130	0.125	20	
Surr: BFB	5800	4946		118	70	130	0	0	
Sample ID: Ics-65448	SampType: Lo	cs	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: LCSS	Batch ID: 65	5448	F	RunNo: 8	5767				
Prep Date: 2/9/2022	Analysis Date: 2	/10/2022	\$	SeqNo: 3	019658	Units: mg/h	<b>(</b> g		
Analyte	Result PQL		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26 5.0		0	104	78.6	131			
Surr: BFB	1100	1000		112	70	130			
Sample ID: mb-65448	SampType: M	BLK	Tes	tCode: El	PA Method	8015D: Gaso	oline Rang	е	
Client ID: PBS	Batch ID: 65	5448	RunNo: <b>85767</b>						
Prep Date: 2/9/2022	Analysis Date: 2	/10/2022	8	SeqNo: 3	019659	Units: mg/h	<b>K</b> g		
Analyte	Result PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- 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
- Analyte detected in the associated Method Blank
- Estimated value
- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

2202387 22-Feb-22

WO#:

Client: GHD Midland **Project:** Jackson AT Battery

Sample ID: mb-65448 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65448 RunNo: 85767

Prep Date: Analysis Date: 2/10/2022 SeqNo: 3019659 2/9/2022 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 104 70 130

Sample ID: 2202387-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: BH-1 Batch ID: 65448 RunNo: 85767

Prep Date: 2/9/2022 Analysis Date: 2/10/2022 SeqNo: 3019661 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 4.8 23.88 O 136 70 130 Surr: BFB 1100 955.1 116 70 130

Sample ID: 2202387-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: BH-1 Batch ID: 65448 RunNo: 85767

Prep Date: 2/9/2022 Analysis Date: 2/10/2022 SeqNo: 3019662 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI LowLimit HighLimit Qual Gasoline Range Organics (GRO) 31 4.8 23.88 0 132 70 130 S Surr: BFB 1200 955.1 120 70 130

Sample ID: Ics-65453 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 65453 RunNo: 85767

Prep Date: 2/9/2022 Analysis Date: 2/10/2022 SeqNo: 3019682 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) 26 5.0 0 104 25.00 78.6 131

Surr: BFB 1100 1000 110 70 130

Sample ID: mb-65453 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PRS Batch ID: 65453 RunNo: 85767

Prep Date: 2/9/2022 Analysis Date: 2/10/2022 SeqNo: 3019683 Units: mq/Kq

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

Surr: BFB 960 1000 95.7 70 130

Sample ID: 2202387-021ams TestCode: EPA Method 8015D: Gasoline Range SampType: MS

Client ID: BH-21 Batch ID: 65453 RunNo: 85767

Prep Date: 2/9/2022 Analysis Date: 2/10/2022 SeqNo: 3019685 Units: mg/Kg

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

#### Qualifiers:

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202387 22-Feb-22** 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202387-021ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-21** Batch ID: **65453** RunNo: **85767** 

Prep Date: 2/9/2022 Analysis Date: 2/10/2022 SeqNo: 3019685 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 25 0 S Gasoline Range Organics (GRO) 35 24.65 141 70 130 Surr: BFB 5700 4931 115 70 130

Sample ID: 2202387-021amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-21** Batch ID: **65453** RunNo: **85767** 

Prep Date: 2/9/2022 Analysis Date: 2/10/2022 SeqNo: 3019686 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 35 24 24.41 0 143 70 0.851 20 S Surr: BFB 5400 4883 70 0 111 130 0

#### Qualifiers:

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202387** 

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65457 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 65457 RunNo: 85758

Prep Date: 2/9/2022 Analysis Date: 2/11/2022 SeqNo: 3019352 Units: mg/Kg

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

 Benzene
 ND
 0.025

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

 Surr: 4-Bromofluorobenzene
 1.1
 1.000
 107
 70
 130

Sample ID: LCS-65457 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 65457 RunNo: 85758

Prep Date: 2/9/2022 Analysis Date: 2/11/2022 SeqNo: 3019353 Units: mg/Kg

Prep Date. 2/9/2022	Allalysis L	Jaie. <b>21</b>	11/2022		beqivo. 3	019353	Office. Ing/R	.g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.4	80	120			
Toluene	0.97	0.050	1.000	0	96.8	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	70	130			

Sample ID: 2202387-042ams SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: BH-33 Batch ID: 65457 RunNo: 85758

Prep Date: 2/9/2022 Analysis Date: 2/11/2022 SeqNo: 3019356 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.12 95.8 80 0.91 0.9515 120 Benzene n Toluene 0.95 0.24 0.9515 0 100 80 120 0 104 80 120 Ethylbenzene 0.99 0.24 0.9515 Xylenes, Total 2.9 0.48 2.854 0 103 80 120 Surr: 4-Bromofluorobenzene 5.1 4.757 108 70 130

Sample ID: 2202387-042amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles

Client ID: **BH-33** Batch ID: **65457** RunNo: **85758** 

Prep Date: 2/9/2022	Analysis D	0.94     0.12     0.9479       1.0     0.24     0.9479       1.0     0.24     0.9479		S	SeqNo: 3	019357	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.12	0.9479	0	99.6	80	120	3.46	20	
Toluene	1.0	0.24	0.9479	0	106	80	120	5.21	20	
Ethylbenzene	1.0	0.24	0.9479	0	107	80	120	3.03	20	
Xylenes, Total	3.1	0.47	2.844	0	108	80	120	4.74	20	
Surr: 4-Bromofluorobenzene	5.1		4.739		107	70	130	0	0	

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202387 22-Feb-22** 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-65448 SampType: LCS TestCode: EPA Method 8021B: Volatiles Client ID: LCSS RunNo: 85767 Batch ID: 65448 Prep Date: 2/9/2022 Analysis Date: 2/10/2022 SeqNo: 3019761 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Benzene 1.0 0.025 1.000 0 99.8 80 120 Toluene 0.99 0.050 1.000 0 98.5 80 120 0.050 0 97.4 Ethylbenzene 0.97 1.000 80 120 0 Xylenes, Total 2.9 0.10 3.000 96.7 80 120 Surr: 4-Bromofluorobenzene 0.94 1.000 93.8 70 130

SampType: MBLK Sample ID: mb-65448 TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 65448 RunNo: 85767 Prep Date: Analysis Date: 2/10/2022 SeqNo: 3019762 2/9/2022 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual ND 0.025 Benzene Toluene ND 0.050 0.050 Ethylbenzene ND ND 0.10 Xylenes, Total Surr: 4-Bromofluorobenzene 0.94 1.000 94.3 70 130

Sample ID: 2202387-002ams	SampT	Гуре: М	3	Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: BH-2	Batcl	h ID: <b>65</b> 4	448	F	RunNo: <b>85767</b>					
Prep Date: 2/9/2022	Analysis D	Date: <b>2/</b>	10/2022	S	SeqNo: 3019765 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9579	0	116	80	120			
Toluene	1.1	0.048	0.9579	0	117	80	120			
Ethylbenzene	1.1	0.048	0.9579	0	116	80	120			
Xylenes, Total	3.4	0.096	2.874	0	117	80	120			
Surr: 4-Bromofluorobenzene	0.92		0.9579		95.7	70	130			

Sample ID: 2202387-002amsd	SampT	ype: <b>MS</b>	SD.	Tes						
Client ID: BH-2	Batch	1D: <b>65</b> 4	148	RunNo: <b>85767</b>						
Prep Date: 2/9/2022	Analysis D	ate: <b>2/</b>	10/2022	SeqNo: 3019766 Units: mg/Kg				(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.024	0.9653	0	121	80	120	4.65	20	S
Toluene	1.2	0.048	0.9653	0	120	80	120	3.20	20	
Ethylbenzene	1.2	0.048	0.9653	0	120	80	120	4.11	20	
Xylenes, Total	3.5	0.097	2.896	0	120	80	120	3.73	20	S
Surr: 4-Bromofluorobenzene	0.89		0.9653		92.7	70	130	0	0	

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202387 22-Feb-22** 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-65453	Samp1	Гуре: <b>LC</b>	s	Tes	tCode: El					
Client ID: LCSS	Batcl	h ID: <b>65</b> 4	453	F	RunNo: 8	5767				
Prep Date: 2/9/2022	Analysis [	Date: 2/	10/2022	8	SeqNo: <b>3019785</b> Units: <b>n</b>			mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	99.8	80	120			
Toluene	0.99	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000	101 70			130			

Sample ID: mb-65453	SampT	Type: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	h ID: 654	453	F	RunNo: 8	5767				
Prep Date: 2/9/2022	Analysis D	Date: 2/	10/2022	8	SeqNo: 3	019786	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	0.95		1.000		95.0	70	130			

Sample ID: 2202387-022ams	SampT	Гуре: М	3	Tes	TestCode: EPA Method 8021B: Volatiles					
Client ID: BH-22	Batcl	h ID: <b>65</b> 4	453	F	RunNo: <b>85767</b>					
Prep Date: 2/9/2022	Analysis D	Date: <b>2/</b>	10/2022	S	SeqNo: 3019789 Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9551	0	117	80	120			
Toluene	1.1	0.048	0.9551	0	113	80	120			
Ethylbenzene	1.1	0.048	0.9551	0	112	80	120			
Xylenes, Total	3.2	0.096	2.865	0	112	80	120			
Surr: 4-Bromofluorobenzene	0.85		0.9551		88.8	70	130			

Sample ID: 2202387-022amsd	I SampT	ype: MS	SD.	TestCode: EPA Method 8021B: Volatiles						
Client ID: BH-22	Batch	n ID: <b>65</b> 4	453	F	RunNo: <b>85767</b>					
Prep Date: 2/9/2022	Analysis D	Date: 2/	10/2022	SeqNo: 3019790 Units: mg/Kg				ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9452	0	118	80	120	0.0450	20	
Toluene	1.1	0.047	0.9452	0	117	80	120	2.62	20	
Ethylbenzene	1.1	0.047	0.9452	0	115	80	120	1.38	20	
Xylenes, Total	3.3	0.095	2.836	0	115	80	120	1.89	20	
Surr: 4-Bromofluorobenzene	0.87		0.9452		91.9	70	130	0	0	

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

2202387 22-Feb-22

WO#:

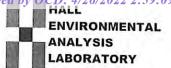
Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-65448	Samp1	Гуре: <b>LC</b>	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batc	h ID: <b>65</b> 4	448	F	RunNo: 8	5799				
Prep Date: 2/9/2022	Analysis [	Date: <b>2/</b>	11/2022	8	SeqNo: 3	021232	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	99.8	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.6	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	70	130			

#### Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

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

Client Name:	GHD Midland	Work	Order Num	nber: 220	2387			RcptNo: 1	
Received By:	Sean Livingston	2/9/202	2 8:00:00 A	AM		<	1	/ n = 1	
Completed By:	Sean Livingston		2 8:34:44 <i>A</i>			<i></i>		not	
Reviewed By:	IO	02/09/		NVI		2		izat	
Chain of Cus	<u>tody</u>								
1. Is Chain of Cu	stody complete?			Yes	V	No		Not Present	
2. How was the	sample delivered?			Cou				, , , , , , , , , , , , , , , , , , ,	
Log In									
3. Was an attem	pt made to cool the san	nples?		Yes	V	No		NA 🗆	
4. Were all samp	les received at a tempe	rature of >0° C t	o 6.0°C	Yes	<b>V</b>	No		NA 🗆	
5. Sample(s) in p	roper container(s)?			Yes	V	No			
6. Sufficient samp	ole volume for indicated	test(s)?		Yes	V	No	П		
	except VOA and ONG) p		d?	Yes	V	No			
	ve added to bottles?		Ē.	Yes		No		NA 🗆	
	ast 1 vial with headspace		DA?	Yes		No		NA 🗹	
10. Were any sam	ple containers received	broken?		Yes		No	~	4.4	1
	k match bottle labels? ncies on chain of custod	lv)		Yes	V	No		# of preserved bottles checked for pH:  (<2 or >12 unit	)
	rrectly identified on Cha	14 41		Yes	<b>V</b>	No		Adjusted?	ess noted)
	analyses were requeste				~	No	-	/	. / ,
	g times able to be met? stomer for authorization.			Yes	<b>V</b>	No		Checked by: KYG	2/9/
Special Handlin	ng (if applicable)								
15. Was client noti	fied of all discrepancies	with this order?		Yes		No		NA 🔽	
Person N	lotified:		Date:				_		
By Whon	12		Via:	eMa	iil 🗆	Phone	Fax	In Person	
Regardin	g:							,—,—,—,—,—,—,—,—,—,—,—,—,—,—,—,—,—,—,—	
Client Ins	tructions:								
16. Additional rem	arks:								
17. Cooler Inform	ation								
Cooler No	Temp °C Condition	Seal Intact	Seal No	Seal Da	ite	Signed E	Зу		
2-	2.4 Good								
2	5.3 Good								

Client: GHD         Project N           Mailing Address:         324 W. Main St. Suite 108, Artesia NM 88210         Project M           Phone #:         (505)377-4218         Project M           email or Fax#:         Becky Haskell@ghd.com         Project M           QAQC Package:         □ Level 4 (Full Validation)         Tom Lars Accreditation:           □ Standard         □ Level 4 (Full Validation)         Tom Lars Accreditation:           □ Standard         □ Level 4 (Full Validation)         Tom Lars Accreditation:           □ Standard         □ Other         Sampler:           □ EDD (Type)         # of Cooler Templer:           □ EDD (Type)         # of Cooler Templer:           □ EDD (Type)         # of Lipe           □ EDD (Type)         # of Lipe	Nam Nam Nam Nam Nam Ske empo	### ### ### ### ### ### ### ### ### ##
Time: Relinquished by:  Received by:  Received by:  Received by:	by: Via: \$ Date Time 1/8/22 /600 by: Via: \$ Date Time	Itolo   Compared by: Via: Date Time Remarks: Please email: Chase_Settle@eogresources.com; Time: Relinquished by: Via: Date Time   Natthew.Laughlin@ghd.com; Along with Becky Haskell   Salacessay, samples suhmitted to built   Salacessay, samples submitted to built   Salacessay, samp

Recei h7° S	YSIS LABORATODY		37109		Analysis Request	\(\frac{1}{4}\)	S '*C	OSO () () () () () () () () () () () () () (	(NO) [17] (NO) [	lesvells on oil	ticid thod shod Neta NO NO A)	Hs by 8 Met Br, 10 (VO) 0 (Sem Br) 11 Colification (Sem Br) 12 (Sem Br) 13 (Sem Br) 13 (Sem Br) 14 (Sem Br) 15 (Sem Br) 15 (Sem Br) 15 (Sem Br) 15 (Sem Br) 16 (Se	808 RCI, I RCI, I RCI, I													s.com;	ase Settle	possibility. Any sub-contracted data will be clearly notated on the analytical report.
Tim	Project Name:	) (	Project #:	,	1122 752 4	Popularioni	becky naskell Tom Larson	Sampler: Zach Comino	1000		Cooler Temp(including OF): Z. 4 ±0 =2 . 4 ° C	Container Preservative Type and # Type	John She	520 ,000	920	220	\$70	27.0	S. C.	031	750	020	034	250	20	Received by: Via: Date Time	cted to other accreadilisal laboratory	in the serves as notice of this serves as notice of this
Chain-of-Custody Record		Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210		email or Fax#: Becky.Haskell@ghd.com	QA/QC Package:	☐ Level 4 (Full Validation)	mpliance	☐ Other			Date Time Matrix Sample Name		7	-	200			SS		7-7-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5			7	Relinquished by:	Date: Time: Relinquished by:	If necessary, samples submitted to Hall Environmental may be subcontra	

Chain-of-Custody Record	Turn-Around Time:	5 5
Client: GHD		HNUNCOLANA
	A Standard Rush S-D	ANAL CHATRONING IN THE STATE OF
	Project Name:	ANALISIS LABORATOR
Mailing Address:	AT R B.	<u>=</u>
324 W. Main St. Suite 108, Artesia NM 88210	1 CAN CAN	- Albuquerque, NM 87109
Phone #: (505)377-4218	TC286211	4107
email or Fax#: Becky. Haskell@ghd.com	Project Manager:	Allalysis Request
QA/QC Package:	Becky Haskell	SO S
☐ Standard ☐ Level 4 (Full Validation)	Tom Larson	Apps SIMa
	l e	32703
I NECAC U Other	$\hat{}$	08\2 04\2 04\3 04\4
☐ EDD (Type)	# of Coolers; 7	O3 <sup>3</sup>
	Cooler Temp(including CF): 7-4 ±0=7.4°C	stici etho 83° Met (Au
	Container Preservative	Peg (Me s by 8 I (VO (VO
Date Time Matrix Sample Name	#	250 260 3081 3, F, 3, F, 208 208
CERT 1110 5 5W.7		28 S S S S S S S S S S S S S S S S S S S
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+	038	
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1510 (SA-5)	CTA	
1815 BA-82	300	
(32c) (RU. 27		
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1755 154-36	NTO	
1340 [34-387	ij	
1345 1 RH-38	) d	
	55	
Relinquished by:	Received by: Via: Date Time	Remarks: Diona amail: Oraca Carrier
a dee Lah Swing 12/1-	y year,	Tom.Larson@ghd.com; Zach.Comino@ahd.com
Time: Relinquished by:	Via: \ Date 7	(ell
78 m 1900 (MMM )	12:8 22/6/2 sixon 205	Direct Bill to EOG Chase Settle
If necessary, samples submitted to Hall Environmental may be subco	intracted to other accredited laboratories. This serves as notice of this	tional report



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

February 28, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

**FAX** 

RE: Jackson AT Battery OrderNo.: 2202760

#### Dear Tom Larson:

Hall Environmental Analysis Laboratory received 37 sample(s) on 2/16/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

## **Analytical Report**

Lab Order **2202760** 

Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-39

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 8:00:00 AM

 Lab ID:
 2202760-001
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	7200	300	mg/Kg	100	2/22/2022 12:13:28 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/19/2022 1:53:31 AM	65607
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/19/2022 1:53:31 AM	65607
Surr: DNOP	104	51.1-141	%Rec	1	2/19/2022 1:53:31 AM	65607
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 3:20:00 AM	65588
Surr: BFB	94.2	70-130	%Rec	1	2/18/2022 3:20:00 AM	65588
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 3:20:00 AM	65588
Toluene	ND	0.049	mg/Kg	1	2/18/2022 3:20:00 AM	65588
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 3:20:00 AM	65588
Xylenes, Total	ND	0.098	mg/Kg	1	2/18/2022 3:20:00 AM	65588
Surr: 4-Bromofluorobenzene	81.2	70-130	%Rec	1	2/18/2022 3:20:00 AM	65588

Refer to the QC Summary 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 2202760 Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

**Client Sample ID:** BH-40

**Project:** Jackson AT Battery Collection Date: 2/14/2022 8:05:00 AM Lab ID: 2202760-002 Matrix: SOIL Received Date: 2/16/2022 8:05:00 AM

**Analyses** Result **RL Oual Units DF** Date Analyzed **Batch** 

EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	5800	300	mg/Kg	100	2/22/2022 12:25:49 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGA			Analyst:	SB		
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/19/2022 2:04:09 AM	65607
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/19/2022 2:04:09 AM	65607
Surr: DNOP	88.7	51.1-141	%Rec	1	2/19/2022 2:04:09 AM	65607
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 3:40:00 AM	65588
Surr: BFB	97.6	70-130	%Rec	1	2/18/2022 3:40:00 AM	65588
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst:	RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 3:40:00 AM	65588
Toluene	ND	0.050	mg/Kg	1	2/18/2022 3:40:00 AM	65588
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 3:40:00 AM	65588
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 3:40:00 AM	65588
Surr: 4-Bromofluorobenzene	84.8	70-130	%Rec	1	2/18/2022 3:40:00 AM	65588

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- Η 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
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Limit

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Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-41

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 8:10:00 AM

 Lab ID:
 2202760-003
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	5800	300	mg/Kg	100	2/22/2022 12:38:09 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/19/2022 2:14:46 AM	65607
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/19/2022 2:14:46 AM	65607
Surr: DNOP	109	51.1-141	%Rec	1	2/19/2022 2:14:46 AM	65607
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 3:59:00 AM	65588
Surr: BFB	97.8	70-130	%Rec	1	2/18/2022 3:59:00 AM	65588
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 3:59:00 AM	65588
Toluene	ND	0.050	mg/Kg	1	2/18/2022 3:59:00 AM	65588
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 3:59:00 AM	65588
Xylenes, Total	ND	0.10	mg/Kg	1	2/18/2022 3:59:00 AM	65588
Surr: 4-Bromofluorobenzene	85.8	70-130	%Rec	1	2/18/2022 3:59:00 AM	65588

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

Qualifiers:

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

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Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-42

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 8:15:00 AM

 Lab ID:
 2202760-004
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	8300	300	mg/Kg	100	2/22/2022 12:50:31 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/19/2022 2:25:23 AM	65607
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/19/2022 2:25:23 AM	65607
Surr: DNOP	111	51.1-141	%Rec	1	2/19/2022 2:25:23 AM	65607
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 4:19:00 AM	65588
Surr: BFB	95.3	70-130	%Rec	1	2/18/2022 4:19:00 AM	65588
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 4:19:00 AM	65588
Toluene	ND	0.049	mg/Kg	1	2/18/2022 4:19:00 AM	65588
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 4:19:00 AM	65588
Xylenes, Total	ND	0.098	mg/Kg	1	2/18/2022 4:19:00 AM	65588
Surr: 4-Bromofluorobenzene	84.6	70-130	%Rec	1	2/18/2022 4:19:00 AM	65588

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

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Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-43

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 8:20:00 AM

 Lab ID:
 2202760-005
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	3400	150	mg/Kg	50	2/22/2022 1:02:51 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/19/2022 2:35:57 AM	65607
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/19/2022 2:35:57 AM	65607
Surr: DNOP	79.8	51.1-141	%Rec	1	2/19/2022 2:35:57 AM	65607
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 4:38:00 AM	65588
Surr: BFB	95.4	70-130	%Rec	1	2/18/2022 4:38:00 AM	65588
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 4:38:00 AM	65588
Toluene	ND	0.049	mg/Kg	1	2/18/2022 4:38:00 AM	65588
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 4:38:00 AM	65588
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 4:38:00 AM	65588
Surr: 4-Bromofluorobenzene	85.3	70-130	%Rec	1	2/18/2022 4:38:00 AM	65588

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

Qualifiers:

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

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Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-44

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 8:40:00 AM

 Lab ID:
 2202760-006
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	6000	300	mg/Kg	100	2/22/2022 1:39:53 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/19/2022 2:46:30 AM	65607
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/19/2022 2:46:30 AM	65607
Surr: DNOP	105	51.1-141	%Rec	1	2/19/2022 2:46:30 AM	65607
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 4:58:00 AM	65588
Surr: BFB	99.7	70-130	%Rec	1	2/18/2022 4:58:00 AM	65588
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 4:58:00 AM	65588
Toluene	ND	0.049	mg/Kg	1	2/18/2022 4:58:00 AM	65588
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 4:58:00 AM	65588
Xylenes, Total	ND	0.098	mg/Kg	1	2/18/2022 4:58:00 AM	65588
Surr: 4-Bromofluorobenzene	84.6	70-130	%Rec	1	2/18/2022 4:58:00 AM	65588

Refer to the QC Summary 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 Order **2202760**Date Reported: **2/28/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-45

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 8:45:00 AM

 Lab ID:
 2202760-007
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	5800	300	mg/Kg	100	2/22/2022 1:52:14 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/19/2022 2:57:00 AM	65607
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/19/2022 2:57:00 AM	65607
Surr: DNOP	82.7	51.1-141	%Rec	1	2/19/2022 2:57:00 AM	65607
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 5:18:00 AM	65588
Surr: BFB	98.1	70-130	%Rec	1	2/18/2022 5:18:00 AM	65588
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 5:18:00 AM	65588
Toluene	ND	0.049	mg/Kg	1	2/18/2022 5:18:00 AM	65588
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 5:18:00 AM	65588
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 5:18:00 AM	65588
Surr: 4-Bromofluorobenzene	83.7	70-130	%Rec	1	2/18/2022 5:18:00 AM	65588

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

Qualifiers:

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

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Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-46

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 8:50:00 AM

 Lab ID:
 2202760-008
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	6000	300	mg/Kg	100	2/22/2022 2:04:35 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/19/2022 3:07:31 AM	65607
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/19/2022 3:07:31 AM	65607
Surr: DNOP	118	51.1-141	%Rec	1	2/19/2022 3:07:31 AM	65607
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 5:37:00 AM	65588
Surr: BFB	98.4	70-130	%Rec	1	2/18/2022 5:37:00 AM	65588
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 5:37:00 AM	65588
Toluene	ND	0.050	mg/Kg	1	2/18/2022 5:37:00 AM	65588
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 5:37:00 AM	65588
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 5:37:00 AM	65588
Surr: 4-Bromofluorobenzene	85.0	70-130	%Rec	1	2/18/2022 5:37:00 AM	65588

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

Qualifiers:

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

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Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-47

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 8:55:00 AM

 Lab ID:
 2202760-009
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	6200	590	mg/Kg	200	2/22/2022 2:16:55 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/19/2022 3:18:01 AM	65607
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/19/2022 3:18:01 AM	65607
Surr: DNOP	111	51.1-141	%Rec	1	2/19/2022 3:18:01 AM	65607
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 5:57:00 AM	65588
Surr: BFB	96.7	70-130	%Rec	1	2/18/2022 5:57:00 AM	65588
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/18/2022 5:57:00 AM	65588
Toluene	ND	0.049	mg/Kg	1	2/18/2022 5:57:00 AM	65588
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 5:57:00 AM	65588
Xylenes, Total	ND	0.098	mg/Kg	1	2/18/2022 5:57:00 AM	65588
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	2/18/2022 5:57:00 AM	65588

Refer to the QC Summary 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 **2202760**Date Reported: **2/28/2022** 

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-48

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 9:00:00 AM

 Lab ID:
 2202760-010
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1100	60	mg/Kg	20	2/22/2022 10:41:42 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/18/2022 8:03:34 PM	65609
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/18/2022 8:03:34 PM	65609
Surr: DNOP	115	51.1-141	%Rec	1	2/18/2022 8:03:34 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 2:53:36 AM	65590
Surr: BFB	104	70-130	%Rec	1	2/18/2022 2:53:36 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/18/2022 2:53:36 AM	65590
Toluene	ND	0.049	mg/Kg	1	2/18/2022 2:53:36 AM	65590
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 2:53:36 AM	65590
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 2:53:36 AM	65590
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/18/2022 2:53:36 AM	65590

Refer to the QC Summary 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 Order **2202760**Date Reported: **2/28/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-49

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 9:20:00 AM

 Lab ID:
 2202760-011
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	2800	150	mg/Kg	50	2/23/2022 8:07:34 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/18/2022 8:14:08 PM	65609
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/18/2022 8:14:08 PM	65609
Surr: DNOP	116	51.1-141	%Rec	1	2/18/2022 8:14:08 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/18/2022 4:03:28 AM	65590
Surr: BFB	108	70-130	%Rec	1	2/18/2022 4:03:28 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/18/2022 4:03:28 AM	65590
Toluene	ND	0.047	mg/Kg	1	2/18/2022 4:03:28 AM	65590
Ethylbenzene	ND	0.047	mg/Kg	1	2/18/2022 4:03:28 AM	65590
Xylenes, Total	ND	0.094	mg/Kg	1	2/18/2022 4:03:28 AM	65590
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/18/2022 4:03:28 AM	65590

Refer to the QC Summary 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 **2202760**Date Reported: **2/28/2022** 

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-50

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 9:25:00 AM

 Lab ID:
 2202760-012
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2300	60	mg/Kg	20	2/23/2022 11:50:53 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/18/2022 8:24:40 PM	65609
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/18/2022 8:24:40 PM	65609
Surr: DNOP	95.8	51.1-141	%Rec	1	2/18/2022 8:24:40 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/18/2022 8:49:36 PM	65590
Surr: BFB	105	70-130	%Rec	1	2/18/2022 8:49:36 PM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.023	mg/Kg	1	2/18/2022 8:49:36 PM	65590
Toluene	ND	0.046	mg/Kg	1	2/18/2022 8:49:36 PM	65590
Ethylbenzene	ND	0.046	mg/Kg	1	2/18/2022 8:49:36 PM	65590
Xylenes, Total	ND	0.093	mg/Kg	1	2/18/2022 8:49:36 PM	65590
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/18/2022 8:49:36 PM	65590

Refer to the QC Summary 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 **2202760** 

Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-51

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 9:30:00 AM

 Lab ID:
 2202760-013
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 5000 300 mg/Kg 100 2/23/2022 8:19:58 AM 65716 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) ND 9.4 mg/Kg 2/18/2022 8:35:13 PM 65609 Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 2/18/2022 8:35:13 PM 65609 Surr: DNOP 2/18/2022 8:35:13 PM 111 51.1-141 %Rec 65609 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 2/18/2022 9:13:09 PM Gasoline Range Organics (GRO) ND 4.8 65590 mg/Kg Surr: BFB 105 %Rec 2/18/2022 9:13:09 PM 65590 70-130 Analyst: NSB **EPA METHOD 8021B: VOLATILES** ND 2/18/2022 9:13:09 PM Benzene 0.024 mg/Kg 65590 Toluene ND 0.048 mg/Kg 2/18/2022 9:13:09 PM 65590 Ethylbenzene ND 0.048 mg/Kg 1 2/18/2022 9:13:09 PM 65590 Xylenes, Total ND 0.095 mg/Kg 2/18/2022 9:13:09 PM 65590 Surr: 4-Bromofluorobenzene 70-130 65590 99.5 %Rec 2/18/2022 9:13:09 PM

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

Qualifiers:

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

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## **Analytical Report**

Lab Order **2202760** 

Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-52

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 9:35:00 AM

 Lab ID:
 2202760-014
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Result **RL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 3900 150 mg/Kg 50 2/23/2022 8:32:23 AM 65716 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: SB Diesel Range Organics (DRO) 9.5 mg/Kg 2/18/2022 8:45:44 PM 65609 Motor Oil Range Organics (MRO) ND 47 mg/Kg 1 2/18/2022 8:45:44 PM 65609 Surr: DNOP 2/18/2022 8:45:44 PM 115 51.1-141 %Rec 65609 **EPA METHOD 8015D: GASOLINE RANGE** Analyst: NSB 2/18/2022 9:36:39 PM Gasoline Range Organics (GRO) ND 5.0 65590 mg/Kg Surr: BFB 107 %Rec 2/18/2022 9:36:39 PM 65590 70-130 Analyst: NSB **EPA METHOD 8021B: VOLATILES** ND 2/18/2022 9:36:39 PM Benzene 0.025 mg/Kg 65590 Toluene ND 0.050 mg/Kg 2/18/2022 9:36:39 PM 65590 Ethylbenzene ND 0.050 mg/Kg 1 2/18/2022 9:36:39 PM 65590 Xylenes, Total ND 0.099 mg/Kg 2/18/2022 9:36:39 PM 65590 Surr: 4-Bromofluorobenzene 102 70-130 65590 %Rec 2/18/2022 9:36:39 PM

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

Qualifiers:

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

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# **Analytical Report**

Lab Order **2202760**Date Reported: **2/28/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-53

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 9:40:00 AM

 Lab ID:
 2202760-015
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4900	300	mg/Kg	100	2/23/2022 8:44:47 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	2/18/2022 8:56:14 PM	65609
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/18/2022 8:56:14 PM	65609
Surr: DNOP	119	51.1-141	%Rec	1	2/18/2022 8:56:14 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 10:00:11 PM	65590
Surr: BFB	108	70-130	%Rec	1	2/18/2022 10:00:11 PM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/18/2022 10:00:11 PM	65590
Toluene	ND	0.048	mg/Kg	1	2/18/2022 10:00:11 PM	65590
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 10:00:11 PM	65590
Xylenes, Total	ND	0.095	mg/Kg	1	2/18/2022 10:00:11 PM	65590
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/18/2022 10:00:11 PM	65590

Refer to the QC Summary 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 Order **2202760**Date Reported: **2/28/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-54

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 10:00:00 AM

 Lab ID:
 2202760-016
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	6100	300	mg/Kg	100	2/23/2022 8:57:11 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/18/2022 9:06:43 PM	65609
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/18/2022 9:06:43 PM	65609
Surr: DNOP	97.3	51.1-141	%Rec	1	2/18/2022 9:06:43 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 10:23:36 PM	65590
Surr: BFB	107	70-130	%Rec	1	2/18/2022 10:23:36 PM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/18/2022 10:23:36 PM	65590
Toluene	ND	0.048	mg/Kg	1	2/18/2022 10:23:36 PM	65590
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 10:23:36 PM	65590
Xylenes, Total	ND	0.096	mg/Kg	1	2/18/2022 10:23:36 PM	65590
Surr: 4-Bromofluorobenzene	99.8	70-130	%Rec	1	2/18/2022 10:23:36 PM	65590

Refer to the QC Summary 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 **2202760**Date Reported: **2/28/2022** 

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-55

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 10:05:00 AM

 Lab ID:
 2202760-017
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2800	150	mg/Kg	50	2/23/2022 9:09:35 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/18/2022 9:17:17 PM	65609
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/18/2022 9:17:17 PM	65609
Surr: DNOP	120	51.1-141	%Rec	1	2/18/2022 9:17:17 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/18/2022 10:47:04 PM	65590
Surr: BFB	106	70-130	%Rec	1	2/18/2022 10:47:04 PM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/18/2022 10:47:04 PM	65590
Toluene	ND	0.050	mg/Kg	1	2/18/2022 10:47:04 PM	65590
Ethylbenzene	ND	0.050	mg/Kg	1	2/18/2022 10:47:04 PM	65590
Xylenes, Total	ND	0.099	mg/Kg	1	2/18/2022 10:47:04 PM	65590
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/18/2022 10:47:04 PM	65590

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

Qualifiers:

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

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Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-56

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 10:10:00 AM

 Lab ID:
 2202760-018
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1800	60	mg/Kg	20	2/23/2022 12:03:17 PM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/18/2022 9:27:50 PM	65609
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/18/2022 9:27:50 PM	65609
Surr: DNOP	82.6	51.1-141	%Rec	1	2/18/2022 9:27:50 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 11:10:30 PM	65590
Surr: BFB	105	70-130	%Rec	1	2/18/2022 11:10:30 PM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/18/2022 11:10:30 PM	65590
Toluene	ND	0.049	mg/Kg	1	2/18/2022 11:10:30 PM	65590
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 11:10:30 PM	65590
Xylenes, Total	ND	0.098	mg/Kg	1	2/18/2022 11:10:30 PM	65590
Surr: 4-Bromofluorobenzene	99.3	70-130	%Rec	1	2/18/2022 11:10:30 PM	65590

Refer to the QC Summary 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 Order **2202760**Date Reported: **2/28/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-57

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 10:15:00 AM

 Lab ID:
 2202760-019
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2400	150	mg/Kg	50	2/23/2022 9:22:00 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/18/2022 9:38:26 PM	65609
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/18/2022 9:38:26 PM	65609
Surr: DNOP	91.4	51.1-141	%Rec	1	2/18/2022 9:38:26 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/18/2022 11:33:50 PM	65590
Surr: BFB	105	70-130	%Rec	1	2/18/2022 11:33:50 PM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/18/2022 11:33:50 PM	65590
Toluene	ND	0.049	mg/Kg	1	2/18/2022 11:33:50 PM	65590
Ethylbenzene	ND	0.049	mg/Kg	1	2/18/2022 11:33:50 PM	65590
Xylenes, Total	ND	0.097	mg/Kg	1	2/18/2022 11:33:50 PM	65590
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/18/2022 11:33:50 PM	65590

Refer to the QC Summary 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 Order **2202760**Date Reported: **2/28/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-58

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 10:20:00 AM

 Lab ID:
 2202760-020
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3500	150	mg/Kg	50	2/23/2022 9:34:24 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/18/2022 9:48:58 PM	65609
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/18/2022 9:48:58 PM	65609
Surr: DNOP	95.3	51.1-141	%Rec	1	2/18/2022 9:48:58 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/18/2022 11:57:08 PM	65590
Surr: BFB	107	70-130	%Rec	1	2/18/2022 11:57:08 PM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/18/2022 11:57:08 PM	65590
Toluene	ND	0.048	mg/Kg	1	2/18/2022 11:57:08 PM	65590
Ethylbenzene	ND	0.048	mg/Kg	1	2/18/2022 11:57:08 PM	65590
Xylenes, Total	ND	0.096	mg/Kg	1	2/18/2022 11:57:08 PM	65590
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/18/2022 11:57:08 PM	65590

Refer to the QC Summary 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 **2202760**Date Reported: **2/28/2022** 

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-59

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 10:40:00 AM

 Lab ID:
 2202760-021
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4100	150	mg/Kg	50	2/23/2022 9:46:48 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/18/2022 9:59:34 PM	65609
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/18/2022 9:59:34 PM	65609
Surr: DNOP	111	51.1-141	%Rec	1	2/18/2022 9:59:34 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/19/2022 1:06:59 AM	65590
Surr: BFB	105	70-130	%Rec	1	2/19/2022 1:06:59 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 1:06:59 AM	65590
Toluene	ND	0.049	mg/Kg	1	2/19/2022 1:06:59 AM	65590
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2022 1:06:59 AM	65590
Xylenes, Total	ND	0.097	mg/Kg	1	2/19/2022 1:06:59 AM	65590
Surr: 4-Bromofluorobenzene	99.6	70-130	%Rec	1	2/19/2022 1:06:59 AM	65590

Refer to the QC Summary 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 Order 2202760

Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-60

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 10:45:00 AM

 Lab ID:
 2202760-022
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3900	150	mg/Kg	50	2/23/2022 9:59:12 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/18/2022 10:10:10 PM	65609
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/18/2022 10:10:10 PM	65609
Surr: DNOP	99.4	51.1-141	%Rec	1	2/18/2022 10:10:10 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/19/2022 1:30:14 AM	65590
Surr: BFB	101	70-130	%Rec	1	2/19/2022 1:30:14 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 1:30:14 AM	65590
Toluene	ND	0.047	mg/Kg	1	2/19/2022 1:30:14 AM	65590
Ethylbenzene	ND	0.047	mg/Kg	1	2/19/2022 1:30:14 AM	65590
Xylenes, Total	ND	0.095	mg/Kg	1	2/19/2022 1:30:14 AM	65590
Surr: 4-Bromofluorobenzene	98.8	70-130	%Rec	1	2/19/2022 1:30:14 AM	65590

Refer to the QC Summary 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 Order **2202760** 

#### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/28/2022

CLIENT: GHD Midland Client Sample ID: BH-61

**Project:** Jackson AT Battery
 Collection Date: 2/14/2022 10:50:00 AM

 **Lab ID:** 2202760-023
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4100	150	mg/Kg	50	2/23/2022 10:36:27 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/18/2022 10:20:43 PM	65609
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/18/2022 10:20:43 PM	65609
Surr: DNOP	98.5	51.1-141	%Rec	1	2/18/2022 10:20:43 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/19/2022 1:53:26 AM	65590
Surr: BFB	105	70-130	%Rec	1	2/19/2022 1:53:26 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/19/2022 1:53:26 AM	65590
Toluene	ND	0.049	mg/Kg	1	2/19/2022 1:53:26 AM	65590
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2022 1:53:26 AM	65590
Xylenes, Total	ND	0.099	mg/Kg	1	2/19/2022 1:53:26 AM	65590
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/19/2022 1:53:26 AM	65590

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

Qualifiers:

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

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Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-62

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 10:55:00 AM

 Lab ID:
 2202760-024
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3000	150	mg/Kg	50	2/23/2022 10:48:51 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/18/2022 10:31:15 PM	65609
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/18/2022 10:31:15 PM	65609
Surr: DNOP	98.4	51.1-141	%Rec	1	2/18/2022 10:31:15 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/19/2022 2:16:36 AM	65590
Surr: BFB	104	70-130	%Rec	1	2/19/2022 2:16:36 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 2:16:36 AM	65590
Toluene	ND	0.047	mg/Kg	1	2/19/2022 2:16:36 AM	65590
Ethylbenzene	ND	0.047	mg/Kg	1	2/19/2022 2:16:36 AM	65590
Xylenes, Total	ND	0.095	mg/Kg	1	2/19/2022 2:16:36 AM	65590
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/19/2022 2:16:36 AM	65590

Refer to the QC Summary 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 **2202760**Date Reported: **2/28/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-63

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 11:00:00 AM

 Lab ID:
 2202760-025
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	380	61	mg/Kg	20	2/23/2022 12:15:41 PM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/18/2022 10:41:47 PM	65609
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/18/2022 10:41:47 PM	65609
Surr: DNOP	107	51.1-141	%Rec	1	2/18/2022 10:41:47 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/19/2022 2:39:46 AM	65590
Surr: BFB	103	70-130	%Rec	1	2/19/2022 2:39:46 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/19/2022 2:39:46 AM	65590
Toluene	ND	0.050	mg/Kg	1	2/19/2022 2:39:46 AM	65590
Ethylbenzene	ND	0.050	mg/Kg	1	2/19/2022 2:39:46 AM	65590
Xylenes, Total	ND	0.099	mg/Kg	1	2/19/2022 2:39:46 AM	65590
Surr: 4-Bromofluorobenzene	98.9	70-130	%Rec	1	2/19/2022 2:39:46 AM	65590

Refer to the QC Summary 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 2202760

Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-64

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 11:20:00 AM

 Lab ID:
 2202760-026
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	3400	150	mg/Kg	50	2/23/2022 11:01:15 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/18/2022 10:52:19 PM	65609
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/18/2022 10:52:19 PM	65609
Surr: DNOP	85.6	51.1-141	%Rec	1	2/18/2022 10:52:19 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/19/2022 3:02:59 AM	65590
Surr: BFB	104	70-130	%Rec	1	2/19/2022 3:02:59 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/19/2022 3:02:59 AM	65590
Toluene	ND	0.049	mg/Kg	1	2/19/2022 3:02:59 AM	65590
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2022 3:02:59 AM	65590
Xylenes, Total	ND	0.098	mg/Kg	1	2/19/2022 3:02:59 AM	65590
Surr: 4-Bromofluorobenzene	97.6	70-130	%Rec	1	2/19/2022 3:02:59 AM	65590

Refer to the QC Summary 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 Order **2202760** 

Date Reported: 2/28/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-65

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 11:25:00 AM

 Lab ID:
 2202760-027
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3300	150	mg/Kg	50	2/23/2022 11:13:39 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/18/2022 11:02:49 PM	65609
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/18/2022 11:02:49 PM	65609
Surr: DNOP	114	51.1-141	%Rec	1	2/18/2022 11:02:49 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/19/2022 3:26:07 AM	65590
Surr: BFB	103	70-130	%Rec	1	2/19/2022 3:26:07 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 3:26:07 AM	65590
Toluene	ND	0.048	mg/Kg	1	2/19/2022 3:26:07 AM	65590
Ethylbenzene	ND	0.048	mg/Kg	1	2/19/2022 3:26:07 AM	65590
Xylenes, Total	ND	0.095	mg/Kg	1	2/19/2022 3:26:07 AM	65590
Surr: 4-Bromofluorobenzene	97.5	70-130	%Rec	1	2/19/2022 3:26:07 AM	65590

Refer to the QC Summary 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 Order **2202760** 

# Hall Environmental Analysis Laboratory, Inc. Date Reported: 2/28/2022

CLIENT: GHD Midland Client Sample ID: BH-66

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 11:30:00 AM

 Lab ID:
 2202760-028
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4900	150	mg/Kg	50	2/23/2022 11:26:04 AM	65730
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/18/2022 11:13:22 PM	65609
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/18/2022 11:13:22 PM	65609
Surr: DNOP	118	51.1-141	%Rec	1	2/18/2022 11:13:22 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/19/2022 3:49:12 AM	65590
Surr: BFB	104	70-130	%Rec	1	2/19/2022 3:49:12 AM	65590
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 3:49:12 AM	65590
Toluene	ND	0.048	mg/Kg	1	2/19/2022 3:49:12 AM	65590
Ethylbenzene	ND	0.048	mg/Kg	1	2/19/2022 3:49:12 AM	65590
Xylenes, Total	ND	0.096	mg/Kg	1	2/19/2022 3:49:12 AM	65590
Surr: 4-Bromofluorobenzene	99.8	70-130	%Rec	1	2/19/2022 3:49:12 AM	65590

Refer to the QC Summary 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 Order **2202760** 

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/28/2022

CLIENT: GHD Midland Client Sample ID: BH-67

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 11:35:00 AM

 Lab ID:
 2202760-029
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	5100	150	mg/Kg	50	2/23/2022 11:38:28 AM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	8.9	mg/Kg	1	2/18/2022 11:23:56 PM	65609
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/18/2022 11:23:56 PM	65609
Surr: DNOP	106	51.1-141	%Rec	1	2/18/2022 11:23:56 PM	65609
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/19/2022 4:58:26 AM	65592
Surr: BFB	106	70-130	%Rec	1	2/19/2022 4:58:26 AM	65592
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/19/2022 4:58:26 AM	65592
Toluene	ND	0.050	mg/Kg	1	2/19/2022 4:58:26 AM	65592
Ethylbenzene	ND	0.050	mg/Kg	1	2/19/2022 4:58:26 AM	65592
Xylenes, Total	ND	0.099	mg/Kg	1	2/19/2022 4:58:26 AM	65592
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/19/2022 4:58:26 AM	65592

Refer to the QC Summary 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 Order **2202760** 

Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-10

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 1:00:00 PM

 Lab ID:
 2202760-030
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	160	60	mg/Kg	20	2/22/2022 4:08:03 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/18/2022 10:09:51 PM	65613
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/18/2022 10:09:51 PM	65613
Surr: DNOP	55.0	51.1-141	%Rec	1	2/18/2022 10:09:51 PM	65613
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/19/2022 6:07:37 AM	65592
Surr: BFB	99.7	70-130	%Rec	1	2/19/2022 6:07:37 AM	65592
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 6:07:37 AM	65592
Toluene	ND	0.049	mg/Kg	1	2/19/2022 6:07:37 AM	65592
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2022 6:07:37 AM	65592
Xylenes, Total	ND	0.098	mg/Kg	1	2/19/2022 6:07:37 AM	65592
Surr: 4-Bromofluorobenzene	96.4	70-130	%Rec	1	2/19/2022 6:07:37 AM	65592

Refer to the QC Summary 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 2202760

Date Reported: 2/28/2022

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-11

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 1:05:00 PM

 Lab ID:
 2202760-031
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: CAS
Chloride	230	61	mg/Kg	20	2/22/2022 4:20:24 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	2/21/2022 4:48:53 PM	65613
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2022 4:48:53 PM	65613
Surr: DNOP	93.9	51.1-141	%Rec	1	2/21/2022 4:48:53 PM	65613
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/19/2022 8:25:40 AM	65592
Surr: BFB	105	70-130	%Rec	1	2/19/2022 8:25:40 AM	65592
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 8:25:40 AM	65592
Toluene	ND	0.049	mg/Kg	1	2/19/2022 8:25:40 AM	65592
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2022 8:25:40 AM	65592
Xylenes, Total	ND	0.098	mg/Kg	1	2/19/2022 8:25:40 AM	65592
Surr: 4-Bromofluorobenzene	95.8	70-130	%Rec	1	2/19/2022 8:25:40 AM	65592

Refer to the QC Summary 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 **2202760**Date Reported: **2/28/2022** 

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-12

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 1:10:00 PM

 Lab ID:
 2202760-032
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	ND	61	mg/Kg	20	2/22/2022 4:32:45 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/21/2022 5:13:14 PM	65613
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/21/2022 5:13:14 PM	65613
Surr: DNOP	91.3	51.1-141	%Rec	1	2/21/2022 5:13:14 PM	65613
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/19/2022 8:48:45 AM	65592
Surr: BFB	101	70-130	%Rec	1	2/19/2022 8:48:45 AM	65592
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 8:48:45 AM	65592
Toluene	ND	0.047	mg/Kg	1	2/19/2022 8:48:45 AM	65592
Ethylbenzene	ND	0.047	mg/Kg	1	2/19/2022 8:48:45 AM	65592
Xylenes, Total	ND	0.095	mg/Kg	1	2/19/2022 8:48:45 AM	65592
Surr: 4-Bromofluorobenzene	97.3	70-130	%Rec	1	2/19/2022 8:48:45 AM	65592

Refer to the QC Summary 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 Order **2202760** 

Date Reported: 2/28/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-13

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 1:15:00 PM

 Lab ID:
 2202760-033
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	300	60	mg/Kg	20	2/22/2022 4:45:06 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/21/2022 5:37:35 PM	65613
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/21/2022 5:37:35 PM	65613
Surr: DNOP	84.0	51.1-141	%Rec	1	2/21/2022 5:37:35 PM	65613
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/19/2022 9:11:57 AM	65592
Surr: BFB	103	70-130	%Rec	1	2/19/2022 9:11:57 AM	65592
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/19/2022 9:11:57 AM	65592
Toluene	ND	0.050	mg/Kg	1	2/19/2022 9:11:57 AM	65592
Ethylbenzene	ND	0.050	mg/Kg	1	2/19/2022 9:11:57 AM	65592
Xylenes, Total	ND	0.099	mg/Kg	1	2/19/2022 9:11:57 AM	65592
Surr: 4-Bromofluorobenzene	97.2	70-130	%Rec	1	2/19/2022 9:11:57 AM	65592

Refer to the QC Summary 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 Order **2202760**Date Reported: **2/28/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-14

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 1:20:00 PM

 Lab ID:
 2202760-034
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	390	60	mg/Kg	20	2/22/2022 4:57:26 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/21/2022 6:01:51 PM	65613
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/21/2022 6:01:51 PM	65613
Surr: DNOP	97.0	51.1-141	%Rec	1	2/21/2022 6:01:51 PM	65613
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/19/2022 9:35:10 AM	65592
Surr: BFB	103	70-130	%Rec	1	2/19/2022 9:35:10 AM	65592
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 9:35:10 AM	65592
Toluene	ND	0.048	mg/Kg	1	2/19/2022 9:35:10 AM	65592
Ethylbenzene	ND	0.048	mg/Kg	1	2/19/2022 9:35:10 AM	65592
Xylenes, Total	ND	0.097	mg/Kg	1	2/19/2022 9:35:10 AM	65592
Surr: 4-Bromofluorobenzene	97.7	70-130	%Rec	1	2/19/2022 9:35:10 AM	65592

Refer to the QC Summary 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 **2202760**Date Reported: **2/28/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-15

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 1:40:00 PM

 Lab ID:
 2202760-035
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	220	60	mg/Kg	20	2/22/2022 5:09:48 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/21/2022 6:26:04 PM	65613
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/21/2022 6:26:04 PM	65613
Surr: DNOP	113	51.1-141	%Rec	1	2/21/2022 6:26:04 PM	65613
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/19/2022 9:58:27 AM	65592
Surr: BFB	103	70-130	%Rec	1	2/19/2022 9:58:27 AM	65592
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 9:58:27 AM	65592
Toluene	ND	0.048	mg/Kg	1	2/19/2022 9:58:27 AM	65592
Ethylbenzene	ND	0.048	mg/Kg	1	2/19/2022 9:58:27 AM	65592
Xylenes, Total	ND	0.097	mg/Kg	1	2/19/2022 9:58:27 AM	65592
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/19/2022 9:58:27 AM	65592

Refer to the QC Summary 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 Order **2202760** 

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 2/28/2022

CLIENT: GHD Midland Client Sample ID: SW-16

**Project:** Jackson AT Battery
 Collection Date: 2/14/2022 1:50:00 PM

 **Lab ID:** 2202760-036
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	360	60	mg/Kg	20	2/22/2022 5:22:09 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/21/2022 6:50:14 PM	65613
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/21/2022 6:50:14 PM	65613
Surr: DNOP	103	51.1-141	%Rec	1	2/21/2022 6:50:14 PM	65613
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/19/2022 10:21:41 AM	65592
Surr: BFB	104	70-130	%Rec	1	2/19/2022 10:21:41 AM	65592
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/19/2022 10:21:41 AM	65592
Toluene	ND	0.048	mg/Kg	1	2/19/2022 10:21:41 AM	65592
Ethylbenzene	ND	0.048	mg/Kg	1	2/19/2022 10:21:41 AM	65592
Xylenes, Total	ND	0.097	mg/Kg	1	2/19/2022 10:21:41 AM	65592
Surr: 4-Bromofluorobenzene	99.0	70-130	%Rec	1	2/19/2022 10:21:41 AM	65592

Refer to the QC Summary 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 Order **2202760** 

Date Reported: 2/28/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-68

 Project:
 Jackson AT Battery
 Collection Date: 2/14/2022 2:10:00 PM

 Lab ID:
 2202760-037
 Matrix: SOIL
 Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	440	60	mg/Kg	20	2/22/2022 5:34:30 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/21/2022 7:14:22 PM	65613
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/21/2022 7:14:22 PM	65613
Surr: DNOP	114	51.1-141	%Rec	1	2/21/2022 7:14:22 PM	65613
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/19/2022 10:45:01 AM	65592
Surr: BFB	121	70-130	%Rec	1	2/19/2022 10:45:01 AM	65592
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/19/2022 10:45:01 AM	65592
Toluene	ND	0.049	mg/Kg	1	2/19/2022 10:45:01 AM	65592
Ethylbenzene	ND	0.049	mg/Kg	1	2/19/2022 10:45:01 AM	65592
Xylenes, Total	ND	0.098	mg/Kg	1	2/19/2022 10:45:01 AM	65592
Surr: 4-Bromofluorobenzene	112	70-130	%Rec	1	2/19/2022 10:45:01 AM	65592

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

Qualifiers:

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202760** 

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65701 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65701 RunNo: 85979

Prep Date: 2/21/2022 Analysis Date: 2/21/2022 SeqNo: 3028773 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65701 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65701 RunNo: 85979

Prep Date: 2/21/2022 Analysis Date: 2/21/2022 SeqNo: 3028774 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.3 90 110

Sample ID: MB-65730 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65730 RunNo: 85991

Prep Date: 2/22/2022 Analysis Date: 2/22/2022 SeqNo: 3030541 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65730 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65730 RunNo: 85991

Prep Date: 2/22/2022 Analysis Date: 2/22/2022 SeqNo: 3030542 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 98.2 90 110

Sample ID: MB-65716 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **65716** RunNo: **85985** 

Prep Date: 2/22/2022 Analysis Date: 2/22/2022 SeqNo: 3030605 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65716 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65716 RunNo: 85985

Prep Date: 2/22/2022 Analysis Date: 2/22/2022 SeqNo: 3030606 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.8 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202760** 

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202760-010AMS	SampT	ype: <b>MS</b>	5	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: BH-48	Batch	ID: <b>65</b> 0	609	R	unNo: 8	5938					
Prep Date: 2/17/2022	Analysis D	ate: <b>2/</b>	18/2022	S	eqNo: 30	026721	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	48	9.6	48.12	0	101	39.3	155				
Surr: DNOP	4.5		4.812		93.5	51.1	141				
Sample ID: 2202760-010AMSI	<b>)</b> SampT	ype: <b>MS</b>	SD	Tes	Code: El	PA Method	8015M/D: Die	esel Rang	e Organics		

	- ' '							5			
Client ID: BH-48	Batch I	D: <b>65</b>	609	F	RunNo: 8	5938					
Prep Date: 2/17/2022	Analysis Dat	te: <b>2/</b>	18/2022	9	SeqNo: 3	026722	Units: mg/K	ίg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	62	9.2	45.79	0	136	39.3	155	24.9	23.4	R	
Surr: DNOP	6.7		4.579		146	51.1	141	0	0	S	

Sample ID: LCS-65607	SampT	ype: <b>LC</b>	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	n ID: <b>65</b> 0	607	F	RunNo: 8	5938				
Prep Date: 2/17/2022	Analysis D	ate: 2/	18/2022	8	SeqNo: 3	026747	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	68.9	135			
Surr: DNOP	4.4		5.000		87.3	51.1	141			

Sample ID: LCS-65609	SampT	ype: <b>LC</b>	S	Tes	Code: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: LCSS	Batch	ID: <b>65</b> 0	609	R	tunNo: 8	5938					
Prep Date: 2/17/2022	Analysis D	ate: 2/	18/2022	S	eqNo: 3	026748	B Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	50	10	50.00	0	101	68.9	135				
Surr: DNOP	4.9		5.000		98.0	51.1	141				

Sample ID: LCS-65613	SampTy	/pe: <b>LC</b>	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	ID: <b>65</b> 6	613	R	tunNo: 8	5938				
Prep Date: 2/17/2022	Analysis Da	ate: <b>2/</b>	18/2022	SeqNo: <b>3026749</b>			Units: mg/K			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.7	68.9	135			
Surr: DNOP	4.4		5.000		88.8	51.1	141			

Sample ID: MB-65607	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65607	RunNo: 85938
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026753 Units: mg/Kg
Analyte	Result PQL SPK value S	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual

#### Qualifiers:

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

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# Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

WO#: **2202760 28-Feb-22** 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65607

Client ID: PBS Prep Date: 2/17/2022 Analyte Diesel Range Organics (DRO)	Batch Analysis D Result ND ND	ID: <b>65</b> 0 ate: <b>2/</b> PQL 10	18/2022	5	RunNo: <b>8</b> : SeqNo: <b>3</b> :		Units: mg/K	'a		
Analyte	Result ND	PQL			SeqNo: 3	026753	Units: ma/K	'n		
•	ND		SPK value				g/1.	9		
Diesel Range Organics (DRO)		10		SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
	ND	10								
Motor Oil Range Organics (MRO)		50								
Surr: DNOP	8.9		10.00		88.8	51.1	141			
Sample ID: MB-65609	SampT	уре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	• Organics	
Client ID: PBS	Batch	ID: <b>65</b>	609	F	RunNo: 8	5938				
Prep Date: 2/17/2022	Analysis D	ate: <b>2/</b>	18/2022	8	SeqNo: 3	026754	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	51.1	141			
Sample ID: MB-65613	SampT	уре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	• Organics	
Client ID: PBS	Batch	ID: <b>65</b> 0	613	F	RunNo: 8	5938				
Prep Date: 2/17/2022	Analysis D	ate: <b>2/</b>	18/2022	8	SeqNo: 3	026755	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10					·			· · · · · · · · · · · · · · · · · · ·
Motor Oil Range Organics (MRO)	ND	50								

TestCode: EPA Method 8015M/D: Diesel Range Organics

Sample ID: 2202760-030AMS	SampT	ype: <b>MS</b>	3	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: SW-10	Batch	ID: <b>65</b> 0	613	F	RunNo: 8	5936				
Prep Date: 2/17/2022	Analysis D	ate: <b>2/</b>	19/2022	8	SeqNo: 3	026763	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	9.6	47.76	0	79.3	39.3	155			
Surr: DNOP	2.2		4.776		46.6	51.1	141			S

103

51.1

141

10.00

10

Sample ID: 2202760-030AMSD	SampT	ype: MS	SD	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: SW-10	Batch	ID: <b>65</b>	613	F	RunNo: 8	5936				
Prep Date: 2/17/2022	Analysis Da	ate: <b>2/</b>	19/2022	S	SeqNo: 3	026764	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.5	47.71	0	77.0	39.3	155	3.06	23.4	
Surr: DNOP	2.0		4.771		42.4	51.1	141	0	0	S

#### Qualifiers:

Surr: DNOP

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

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### Hall Environmental Analysis Laboratory, Inc.

2202760 28-Feb-22

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65706 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 65706 RunNo: 85993

Prep Date: 2/22/2022 Analysis Date: 2/22/2022 SeqNo: 3030889 Units: %Rec

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

Surr: DNOP 5.2 5.000 103 51.1 141

Sample ID: MB-65706 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **PBS** Batch ID: **65706** RunNo: **85993** 

Prep Date: 2/22/2022 Analysis Date: 2/22/2022 SeqNo: 3030892 Units: %Rec

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

Surr: DNOP 11 10.00 115 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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202760 28-Feb-22** 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65590 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65590 RunNo: 85912

Prep Date: 2/16/2022 Analysis Date: 2/18/2022 SeqNo: 3025287 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Gasoline Range Organics (GRO) ND 5.0

 Surr: BFB
 1000
 1000
 105
 70
 130

Sample ID: Ics-65590 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65590 RunNo: 85912

Prep Date: 2/16/2022 Analysis Date: 2/18/2022 SeqNo: 3025288 Units: mg/Kg

HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 24 5.0 25.00 O 94.5 78.6 131 Surr: BFB 1200 1000 116 70 130

Sample ID: 2202760-010ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-48** Batch ID: **65590** RunNo: **85912** 

Prep Date: 2/16/2022 Analysis Date: 2/18/2022 SeqNo: 3025290 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI LowLimit HighLimit Qual Gasoline Range Organics (GRO) 25 4.9 24.37 0 103 70 130 Surr: BFB 1200 974.7 120 70 130

Sample ID: 2202760-010amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-48** Batch ID: **65590** RunNo: **85912** 

Prep Date: 2/16/2022 Analysis Date: 2/18/2022 SeqNo: 3025291 Units: mg/Kg

SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual Gasoline Range Organics (GRO) 26 4.9 0 105 70 20 24.51 130 2.63 Surr: BFB 1200 980.4 117 70 130 0 0

Sample ID: Ics-65588 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65588 RunNo: 85917

Prep Date: **2/16/2022** Analysis Date: **2/17/2022** SeqNo: **3025624** Units: **mg/Kg** 

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 0 78.6 25.00 103 131 Surr: BFB 1100 1000 107 70 130

Sample ID: mb-65588 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: **PBS** Batch ID: **65588** RunNo: **85917** 

Prep Date: 2/16/2022 Analysis Date: 2/17/2022 SeqNo: 3025625 Units: mg/Kg

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

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

WO#: **2202760** 

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65592

Sample ID: mb-65588 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 65588 RunNo: 85917 Prep Date: 2/16/2022 Analysis Date: 2/17/2022 SeqNo: 3025625 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 970 1000 96.6 70 130

Client ID: PBS Batch ID: 65592 RunNo: 85929 Prep Date: 2/16/2022 Analysis Date: 2/19/2022 SeqNo: 3026896 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 1000 1000 101 70 130

TestCode: EPA Method 8015D: Gasoline Range

Sample ID: Ics-65592 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 65592 RunNo: 85929 Prep Date: 2/16/2022 Analysis Date: 2/19/2022 SeqNo: 3026897 Units: mg/Kg HighLimit Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Qual Gasoline Range Organics (GRO) 23 5.0 25.00 0 92.4 78.6 131 Surr: BFB 1200 1000 115 70 130

TestCode: EPA Method 8015D: Gasoline Range Sample ID: 2202760-029ams SampType: MS Client ID: BH-67 Batch ID: 65592 RunNo: 85929 Prep Date: 2/16/2022 Analysis Date: 2/19/2022 SeqNo: 3026899 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual Gasoline Range Organics (GRO) 23 5.0 93.1 70 24.88 130 Surr: BFB 1100 995.0 113 70 130

Sample ID: 2202760-029amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: BH-67 Batch ID: 65592 RunNo: 85929 Prep Date: 2/16/2022 Analysis Date: 2/19/2022 SeqNo: 3026900 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 22 0 47 23.67 92.4 70 130 5.68 20 Surr: BFB 1100 947.0 112 70 130 0 0

#### Qualifiers:

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202760** 

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: <b>mb-65590</b>	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	n ID: <b>65</b>	590	F	RunNo: 8	5912				
Prep Date: 2/16/2022	Analysis D	Analysis Date: 2/18/2022			SeqNo: <b>3025336</b>			Units: mg/Kg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	70	130			

Sample ID: LCS-65590	SampT	Гуре: <b>LC</b>	S	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batcl	h ID: <b>65</b> !	590	F	RunNo: 8	5912				
Prep Date: 2/16/2022	Analysis D	Date: 2/	18/2022	5	SeqNo: 3	025337	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.95	0.050	1.000	0	95.4	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: Ics-65588	SampT	ype: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	n ID: <b>65</b>	588	F	RunNo: 8	5917				
Prep Date: 2/16/2022	Analysis D	oate: 2/	17/2022	8	SeqNo: 30	025677	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	80	120			
Toluene	0.95	0.050	1.000	0	95.3	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.5	80	120			
Surr: 4-Bromofluorobenzene	0.82		1.000		82.2	70	130			

Sample ID: <b>mb-65588</b>	SampT	уре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: <b>65</b>	588	F	RunNo: 8	5917				
Prep Date: 2/16/2022	Analysis D	oate: <b>2/</b>	17/2022	8	SeqNo: 3	025678	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	0.84		1.000		83.6	70	130			

#### Qualifiers:

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202760** 

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65592 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 65592 RunNo: 85929

Prep Date: 2/16/2022 Analysis Date: 2/19/2022 SeqNo: 3026953 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene ND 0.025

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

 Surr: 4-Bromofluorobenzene
 0.96
 1.000
 96.0
 70
 130

Sample ID: LCS-65592 SampType: LCS TestCode: EPA Method 8021B: Volatiles
Client ID: LCSS Batch ID: 65592 RunNo: 85929

Analysis Date: 2/19/2022 SeqNo: 3026954 Prep Date: 2/16/2022 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 1.000 0.89 0.025 0 88.7 80 120 Benzene Toluene 0.93 0.050 1.000 0 93.5 80 120 0 93.5 80 Ethylbenzene 0.94 0.050 1.000 120 0 93.9 Xylenes, Total 2.8 0.10 3.000 80 120 Surr: 4-Bromofluorobenzene 1.0 1.000 99.6 70 130

Sample ID: 2202760-030ams SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: **SW-10** Batch ID: **65592** RunNo: **85929** 

Prep Date: 2/16/2022 Analysis Date: 2/19/2022 SeqNo: 3026957 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 93.2 80 0.89 0.024 0.9588 120 Benzene O Toluene 0.96 0.048 0.9588 0 100 80 120 120 0 101 80 Ethylbenzene 0.96 0.048 0.9588 Xylenes, Total 2.9 0.096 2.876 0 99.3 80 120 Surr: 4-Bromofluorobenzene 0.9588 98.1 0.94 70 130

Sample ID: 2202760-030amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles

Client ID: **SW-10** Batch ID: **65592** RunNo: **85929** 

Prep Date: 2/16/2022	Analysis D	Date: <b>2/</b>	19/2022	S	SeqNo: 3	026958	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9461	0	93.3	80	120	1.24	20	
Toluene	0.94	0.047	0.9461	0	99.4	80	120	1.94	20	
Ethylbenzene	0.95	0.047	0.9461	0	101	80	120	0.966	20	
Xylenes, Total	2.8	0.095	2.838	0	100	80	120	0.591	20	
Surr: 4-Bromofluorobenzene	0.93		0.9461		97.8	70	130	0	0	

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

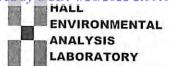
E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

Sample Log-In Check List

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

Client Name:	GHD Midland	Work Order	Number: 220	2760		RcptNo	o: 1
Received By:	Cheyenne Case	on 2/16/2022 8:05	6:00 AM		Chul		
Completed By:	Sean Livingsto	n 2/16/2022 8:19	:32 AM		Chul	*	
Reviewed By:	weh	2/16/22			JL.	John .	
Chain of Cust	ody						
1. Is Chain of Cu	stody complete?		Yes	~	No 🗌	Not Present	
2. How was the s	ample delivered?		Cou	rier			
Log In							
3. Was an attemp	ot made to cool th	e samples?	Yes	V	No 🗆	NA 🗆	
4. Were all sampl	es received at a t	emperature of >0° C to 6.0°C	Yes	<b>V</b>	No 🗆	NA 🗆	
5. Sample(s) in p	roper container(s)	?	Yes	V	No 🗌		
6. Sufficient samp	le volume for indi	cated test(s)?	Yes	<b>V</b>	No 🗌		
7. Are samples (e	xcept VOA and O	NG) properly preserved?	Yes	<b>V</b>	No 🗌		
8. Was preservati	ve added to bottle	s?	Yes		No 🔽	NA 🗆	
9. Received at lea	st 1 vial with head	dspace <1/4" for AQ VOA?	Yes		No 🗆	NA 🗹	
10. Were any sam	ple containers rec	eived broken?	Yes		No 🔽	# of preserved	
11. Does paperwor (Note discrepar	k match bottle lab		Yes	V	No 🗆	bottles checked for pH:	r >12 unless noted)
12. Are matrices co	errectly identified of	on Chain of Custody?	Yes	V	No 🗌	Adjusted?	
13. Is it clear what			Yes	<b>V</b>	No 🗌		00111-
<ol> <li>Were all holding (If no, notify cust)</li> </ol>	g times able to be stomer for authori:		Yes	V	No 🗆	Checked by:	Jr 2116/22
Special Handlin	ng (if applicat	ole)					
		ancies with this order?	Yes		No 🗌	NA 🔽	
Person N	lotified:		Date:				-
By Whon	n:	V	/ia: ☐ eMa	ail 🔲	Phone  Fax	☐ In Person	
Regardin	g:						
Client Ins	tructions:						
16. Additional rem	arks:						
17. Cooler Inform	ation						
Cooler No	Temp °C Cor	ndition   Seal Intact   Seal N	lo Seal Da	ate	Signed By		
1	1.0 Good						

_	Shain	J-Jo-I	Chain-of-Custody Record	Turn-Around Time:	I Time:			0		-	1 40	-						
Client:	GHD			- Standard	d Rush	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		П	I	HALI		5	IRG	N	L ENVIRONMENTAL	Y E	4	-
				Project Nam					1		//  -  -	2	5	20	ANALTSIS LABORATORY	Ō	-	
Mailing	Mailing Address:	.ÿ		1	L sou	104	,	www.italieiivironmental.com 4901 Hawkins NF - Albiralieralie NM 87400	y riskin	NA.	Alba	muo.	www.nanenvironmental.com	com	90			
324 W	. Main S	324 W. Main St. Suite 108,	08, Artesia NM 88210	Project #:		6		Tel. 505-345-3975	5-345	-3975	Е п	adac.	que, 1	Eax 505-345-4107	60 6			
Phone #:	#:	(505)37	(505)377-4218		11279324	74					Inal	sis R	Analysis Request	100				7
email	email or Fax#:	Becky.F	Becky. Haskell@ghd.com	Project Manager:				10	H	-	<b>*</b> (		(1	(	-	-		
QA/QC	QA/QC Package:	<b>.</b>		Becky Haskell	) <del>=</del>					SI	os '		uəs	10	Ŧ			-
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□ ED	EDD (Type)			# of Coolers	1				11.1	_	O <sup>3</sup>	-	_	1				-
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Date:	Time:	Relinquished by:	led by:	Received by:	Via:	Date Time	2	latthev	v.Lauç	hlin@	ghd.c	om: A	Nong	with B	Matthew.Laughlin@ghd.com: Along with Becky Haskell	laske		
115/8	A 1900	GALLLA	med	CM	2119	2116/20 1805				rect E	ill to E	insted above. to EOG Cha	ive. Chase	Direct Bill to EOG Chase Settle	a)			-
	If necessary.	sary, samples sub	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	contracted to other a	ccredited laboratories, T	s. This serves as notice of this	possibility.	Any sub	-contrac	led data	will be c	learly no	otated or	the ana	lytical rep	oort.		7

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		, ,	Project #:		7	-	Tel. 505-	505-345-3975		Fax 50	505-345-4107	
Phone #:	/		_	1229324					Anal	sis Re	Request	
email or Fax#:			Project Manager:	iger:					†C		(tr	
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□ NELAC	□ Other	<u> </u>	On Ice:	Yes Yes	□ No		3/se	OL	_	(AC		
☐ EDD (Type)			# of Coolers:	,		1.00	əpic	018	_			
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HALL ENVIRONMENTAL	37109	Tel. 505-345-3975 Fax 505-345-4107	Analysis Request	\(\rho\)	MS WIS	PCI PCI PO	327(C <sub>2</sub> , DR2,	SO4. N	HS)  S points  10  10  10  10  10  10  10  10  10  1	eatic ethocethor Me (AO)	3TEX / 1081 Pe 1081 Pe 1081 Pe 1081 F, B 1082 (Vo 1081 Co 1081 Co	D D D D D D D D D D D D D D D D D D D											7	Remarks: Please email: Chase_Settle@eogresources.com;	Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew Laruhlin@uhd.com: Along with Backy Haskell		1900 Characas Cere Com adiales 0805 Direct Bill to EOG Chase Settle
Turn-Around Time: ☐ Standard ☐ Rush S-A	 Telson AT B. H.	Project #:	11229324	Project Manager:	Becky Haskell	Tom Larson			# of Coolers: \(\(\)	Cooler Temp(including CF): 1, 1 - 0.1 = 1, 0	Container Preservative HEAL No. Type	500	0.36	420	32%	024	030	031	232	033	PSO	015		Received by: Via: Date Time	3	Received by: Via: Viae Time	en Com 02/16/20 0805
Chain-of-Custody Record	Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210	Phone #: (505)377-4218	email or Fax#: Becky.Haskell@ghd.com	QA/QC Package:	☐ Standard ☐ Level 4 (Full Validation)	n: 🗆 Az Compliance	□ Other	□ EDD (Type)		Date Time Matrix Sample Name	<b>(</b>	1120 1 15/1-84 64	55 毫 亿	1130 1311-56.66	1135 154-1267	13cm SLD-10	1305 500-11	130 562-12	1515 562-13	1720 120-14	1340   510-15	1353	Date: Time: Relinquished by:	0	Date: Time: Relinquished by:	15/21/900 Celesary

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

March 01, 2022

Becky Haskell GHD 6121 Indian School Road, NE #200 Albuquerque, NM 87110 TEL: (505) 884-0672 FAX

RE: Jackson AT Battery OrderNo.: 2202832

#### Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 14 sample(s) on 2/17/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2202832** 

Date Reported: 3/1/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-69

 Project:
 Jackson AT Battery
 Collection Date: 2/15/2022 8:00:00 AM

 Lab ID:
 2202832-001
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	2200	150		mg/Kg	50	2/24/2022 8:59:17 AM	65769
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/22/2022 5:59:30 PM	65645
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/22/2022 5:59:30 PM	65645
Surr: DNOP	172	51.1-141	S	%Rec	1	2/22/2022 5:59:30 PM	65645
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Surr: BFB	99.0	70-130		%Rec	1	2/20/2022 3:24:00 AM	65635
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.023		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Toluene	ND	0.046		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Ethylbenzene	ND	0.046		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Xylenes, Total	ND	0.092		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	2/20/2022 3:24:00 AM	65635

Refer to the QC Summary 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 20

**CLIENT: GHD** 

### **Analytical Report**

Lab Order **2202832**Date Reported: **3/1/2022** 

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-70

**Project:** Jackson AT Battery
 Collection Date: 2/15/2022 8:05:00 AM

 **Lab ID:** 2202832-002
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	2200	60		mg/Kg	20	2/24/2022 2:26:28 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/22/2022 6:24:12 PM	65645
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/22/2022 6:24:12 PM	65645
Surr: DNOP	149	51.1-141	S	%Rec	1	2/22/2022 6:24:12 PM	65645
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Surr: BFB	101	70-130		%Rec	1	2/20/2022 3:43:00 AM	65635
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.024		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Toluene	ND	0.049		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Ethylbenzene	ND	0.049		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Xylenes, Total	ND	0.098		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	2/20/2022 3:43:00 AM	65635

Refer to the QC Summary 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 20

Lab Order **2202832**Date Reported: **3/1/2022** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-71

**Project:** Jackson AT Battery
 Collection Date: 2/15/2022 8:10:00 AM

 **Lab ID:** 2202832-003
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	CAS
Chloride	2000	150		mg/Kg	50	2/24/2022 9:11:37 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/22/2022 6:48:47 PM	65645
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/22/2022 6:48:47 PM	65645
Surr: DNOP	142	51.1-141	S	%Rec	1	2/22/2022 6:48:47 PM	65645
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Surr: BFB	97.8	70-130		%Rec	1	2/20/2022 4:03:00 AM	65635
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.023		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Toluene	ND	0.046		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Ethylbenzene	ND	0.046		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Xylenes, Total	ND	0.092		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	2/20/2022 4:03:00 AM	65635

Refer to the QC Summary 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 20

Lab Order **2202832** 

Date Reported: 3/1/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-72

**Project:** Jackson AT Battery
 Collection Date: 2/15/2022 8:15:00 AM

 **Lab ID:** 2202832-004
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	2600	150	mg/Kg	50	2/24/2022 9:23:58 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/22/2022 7:13:19 PM	65645
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/22/2022 7:13:19 PM	65645
Surr: DNOP	122	51.1-141	%Rec	1	2/22/2022 7:13:19 PM	65645
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/20/2022 4:22:00 AM	65635
Surr: BFB	101	70-130	%Rec	1	2/20/2022 4:22:00 AM	65635
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	2/20/2022 4:22:00 AM	65635
Toluene	ND	0.047	mg/Kg	1	2/20/2022 4:22:00 AM	65635
Ethylbenzene	ND	0.047	mg/Kg	1	2/20/2022 4:22:00 AM	65635
Xylenes, Total	ND	0.094	mg/Kg	1	2/20/2022 4:22:00 AM	65635
Surr: 4-Bromofluorobenzene	87.3	70-130	%Rec	1	2/20/2022 4:22:00 AM	65635

Refer to the QC Summary 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: GHD** 

### **Analytical Report**

Lab Order **2202832**Date Reported: **3/1/2022** 

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-73

 Project:
 Jackson AT Battery
 Collection Date: 2/15/2022 9:00:00 AM

 Lab ID:
 2202832-005
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	690	60	mg/Kg	20	2/24/2022 3:03:42 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANIC					Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/22/2022 7:37:46 PM	65645
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/22/2022 7:37:46 PM	65645
Surr: DNOP	99.9	51.1-141	%Rec	1	2/22/2022 7:37:46 PM	65645
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/20/2022 4:42:00 AM	65635
Surr: BFB	100	70-130	%Rec	1	2/20/2022 4:42:00 AM	65635
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/20/2022 4:42:00 AM	65635
Toluene	ND	0.049	mg/Kg	1	2/20/2022 4:42:00 AM	65635
Ethylbenzene	ND	0.049	mg/Kg	1	2/20/2022 4:42:00 AM	65635
Xylenes, Total	ND	0.098	mg/Kg	1	2/20/2022 4:42:00 AM	65635
Surr: 4-Bromofluorobenzene	85.6	70-130	%Rec	1	2/20/2022 4:42:00 AM	65635

Refer to the QC Summary 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: GHD** 

### **Analytical Report**

Lab Order **2202832** 

Date Reported: 3/1/2022

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-74

 Project:
 Jackson AT Battery
 Collection Date: 2/15/2022 9:05:00 AM

 Lab ID:
 2202832-006
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	2100	150	mg/Kg	50	2/24/2022 9:36:18 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/22/2022 8:02:22 PM	65645
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/22/2022 8:02:22 PM	65645
Surr: DNOP	113	51.1-141	%Rec	1	2/22/2022 8:02:22 PM	65645
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2022 5:01:00 AM	65635
Surr: BFB	98.6	70-130	%Rec	1	2/20/2022 5:01:00 AM	65635
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/20/2022 5:01:00 AM	65635
Toluene	ND	0.050	mg/Kg	1	2/20/2022 5:01:00 AM	65635
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2022 5:01:00 AM	65635
Xylenes, Total	ND	0.099	mg/Kg	1	2/20/2022 5:01:00 AM	65635
Surr: 4-Bromofluorobenzene	87.1	70-130	%Rec	1	2/20/2022 5:01:00 AM	65635

Refer to the QC Summary 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 Order **2202832**Date Reported: **3/1/2022** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-75

**Project:** Jackson AT Battery
 Collection Date: 2/15/2022 9:10:00 AM

 **Lab ID:** 2202832-007
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1800	60	mg/Kg	20	2/24/2022 3:53:21 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANI					Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/22/2022 8:26:53 PM	65645
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/22/2022 8:26:53 PM	65645
Surr: DNOP	95.6	51.1-141	%Rec	1	2/22/2022 8:26:53 PM	65645
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/20/2022 5:20:00 AM	65635
Surr: BFB	100	70-130	%Rec	1	2/20/2022 5:20:00 AM	65635
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/20/2022 5:20:00 AM	65635
Toluene	ND	0.048	mg/Kg	1	2/20/2022 5:20:00 AM	65635
Ethylbenzene	ND	0.048	mg/Kg	1	2/20/2022 5:20:00 AM	65635
Xylenes, Total	ND	0.096	mg/Kg	1	2/20/2022 5:20:00 AM	65635
Surr: 4-Bromofluorobenzene	86.5	70-130	%Rec	1	2/20/2022 5:20:00 AM	65635

Refer to the QC Summary 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 Order **2202832** 

# Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/1/2022

CLIENT: GHD Client Sample ID: BH-76

**Project:** Jackson AT Battery
 Collection Date: 2/15/2022 10:15:00 AM

 **Lab ID:** 2202832-008
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	440	61	mg/Kg	20	2/24/2022 4:05:46 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/22/2022 8:51:19 PM	65645
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/22/2022 8:51:19 PM	65645
Surr: DNOP	101	51.1-141	%Rec	1	2/22/2022 8:51:19 PM	65645
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2022 5:40:00 AM	65635
Surr: BFB	101	70-130	%Rec	1	2/20/2022 5:40:00 AM	65635
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/20/2022 5:40:00 AM	65635
Toluene	ND	0.050	mg/Kg	1	2/20/2022 5:40:00 AM	65635
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2022 5:40:00 AM	65635
Xylenes, Total	ND	0.099	mg/Kg	1	2/20/2022 5:40:00 AM	65635
Surr: 4-Bromofluorobenzene	88.7	70-130	%Rec	1	2/20/2022 5:40:00 AM	65635

Refer to the QC Summary 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: GHD** 

### **Analytical Report**

Lab Order 2202832

Date Reported: 3/1/2022

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-77

 Project:
 Jackson AT Battery
 Collection Date: 2/15/2022 10:20:00 AM

 Lab ID:
 2202832-009
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1500	60	mg/Kg	20	2/24/2022 4:18:12 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/22/2022 5:10:00 PM	65647
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/22/2022 5:10:00 PM	65647
Surr: DNOP	108	51.1-141	%Rec	1	2/22/2022 5:10:00 PM	65647
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2022 7:37:00 AM	65638
Surr: BFB	97.1	70-130	%Rec	1	2/20/2022 7:37:00 AM	65638
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/20/2022 7:37:00 AM	65638
Toluene	ND	0.050	mg/Kg	1	2/20/2022 7:37:00 AM	65638
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2022 7:37:00 AM	65638
Xylenes, Total	ND	0.099	mg/Kg	1	2/20/2022 7:37:00 AM	65638
Surr: 4-Bromofluorobenzene	87.1	70-130	%Rec	1	2/20/2022 7:37:00 AM	65638

Refer to the QC Summary 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 Order **2202832** 

#### Date Reported: 3/1/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-78

 Project:
 Jackson AT Battery
 Collection Date: 2/15/2022 10:25:00 AM

 Lab ID:
 2202832-010
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	940	60	mg/Kg	20	2/24/2022 4:30:36 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/22/2022 5:25:20 PM	65647
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/22/2022 5:25:20 PM	65647
Surr: DNOP	105	51.1-141	%Rec	1	2/22/2022 5:25:20 PM	65647
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2022 8:35:00 AM	65638
Surr: BFB	102	70-130	%Rec	1	2/20/2022 8:35:00 AM	65638
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/20/2022 8:35:00 AM	65638
Toluene	ND	0.050	mg/Kg	1	2/20/2022 8:35:00 AM	65638
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2022 8:35:00 AM	65638
Xylenes, Total	ND	0.10	mg/Kg	1	2/20/2022 8:35:00 AM	65638
Surr: 4-Bromofluorobenzene	88.3	70-130	%Rec	1	2/20/2022 8:35:00 AM	65638

Refer to the QC Summary 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 Order **2202832** 

# Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/1/2022

CLIENT: GHD Client Sample ID: BH-79

**Project:** Jackson AT Battery
 Collection Date: 2/15/2022 10:30:00 AM

 **Lab ID:** 2202832-011
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: <b>JMT</b>
Chloride	570	60	mg/Kg	20	2/24/2022 4:43:01 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANIC					Analys	t: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	2/22/2022 5:40:28 PM	65647
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	2/22/2022 5:40:28 PM	65647
Surr: DNOP	95.9	51.1-141	%Rec	1	2/22/2022 5:40:28 PM	65647
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2022 9:33:00 AM	65638
Surr: BFB	104	70-130	%Rec	1	2/20/2022 9:33:00 AM	65638
EPA METHOD 8021B: VOLATILES					Analys	t: RAA
Benzene	ND	0.025	mg/Kg	1	2/20/2022 9:33:00 AM	65638
Toluene	ND	0.050	mg/Kg	1	2/20/2022 9:33:00 AM	65638
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2022 9:33:00 AM	65638
Xylenes, Total	ND	0.10	mg/Kg	1	2/20/2022 9:33:00 AM	65638
Surr: 4-Bromofluorobenzene	89.1	70-130	%Rec	1	2/20/2022 9:33:00 AM	65638

Refer to the QC Summary 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 Order **2202832**Date Reported: **3/1/2022** 

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-80

**Project:** Jackson AT Battery
 Collection Date: 2/15/2022 10:35:00 AM

 **Lab ID:** 2202832-012
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: JMT
Chloride	1300	60	mg/Kg	20	2/24/2022 4:55:26 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANIC					Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/22/2022 5:55:29 PM	65647
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/22/2022 5:55:29 PM	65647
Surr: DNOP	86.4	51.1-141	%Rec	1	2/22/2022 5:55:29 PM	65647
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/20/2022 9:53:00 AM	65638
Surr: BFB	111	70-130	%Rec	1	2/20/2022 9:53:00 AM	65638
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/20/2022 9:53:00 AM	65638
Toluene	ND	0.049	mg/Kg	1	2/20/2022 9:53:00 AM	65638
Ethylbenzene	ND	0.049	mg/Kg	1	2/20/2022 9:53:00 AM	65638
Xylenes, Total	ND	0.098	mg/Kg	1	2/20/2022 9:53:00 AM	65638
Surr: 4-Bromofluorobenzene	91.5	70-130	%Rec	1	2/20/2022 9:53:00 AM	65638

Refer to the QC Summary 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 Order 2202832

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/1/2022

CLIENT: GHD Client Sample ID: SW-17

**Project:** Jackson AT Battery
 Collection Date: 2/15/2022 1:00:00 PM

 **Lab ID:** 2202832-013
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: JMT
Chloride	130	60	mg/Kg	20	2/24/2022 5:07:51 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst	:: SB
Diesel Range Organics (DRO)	20	9.6	mg/Kg	1	2/22/2022 6:10:28 PM	65647
Motor Oil Range Organics (MRO)	78	48	mg/Kg	1	2/22/2022 6:10:28 PM	65647
Surr: DNOP	75.3	51.1-141	%Rec	1	2/22/2022 6:10:28 PM	65647
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/20/2022 10:12:00 AM	65638
Surr: BFB	105	70-130	%Rec	1	2/20/2022 10:12:00 AM	l 65638
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/20/2022 10:12:00 AM	65638
Toluene	ND	0.050	mg/Kg	1	2/20/2022 10:12:00 AM	65638
Ethylbenzene	ND	0.050	mg/Kg	1	2/20/2022 10:12:00 AM	65638
Xylenes, Total	ND	0.10	mg/Kg	1	2/20/2022 10:12:00 AM	65638
Surr: 4-Bromofluorobenzene	90.8	70-130	%Rec	1	2/20/2022 10:12:00 AM	65638

Refer to the QC Summary 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: GHD** 

### **Analytical Report**

Lab Order **2202832** 

Date Reported: 3/1/2022

# Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-18

 Project:
 Jackson AT Battery
 Collection Date: 2/15/2022 1:30:00 PM

 Lab ID:
 2202832-014
 Matrix: SOIL
 Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	290	60	mg/Kg	20	2/24/2022 10:13:20 AM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/22/2022 6:40:23 PM	65647
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/22/2022 6:40:23 PM	65647
Surr: DNOP	81.2	51.1-141	%Rec	1	2/22/2022 6:40:23 PM	65647
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/20/2022 10:32:00 AM	65638
Surr: BFB	108	70-130	%Rec	1	2/20/2022 10:32:00 AM	65638
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/20/2022 10:32:00 AM	65638
Toluene	ND	0.049	mg/Kg	1	2/20/2022 10:32:00 AM	65638
Ethylbenzene	ND	0.049	mg/Kg	1	2/20/2022 10:32:00 AM	65638
Xylenes, Total	ND	0.099	mg/Kg	1	2/20/2022 10:32:00 AM	65638
Surr: 4-Bromofluorobenzene	92.1	70-130	%Rec	1	2/20/2022 10:32:00 AM	65638

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

Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202832** 

01-Mar-22

Client: GHD

**Project:** Jackson AT Battery

Sample ID: MB-65769 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65769 RunNo: 86027

Prep Date: 2/23/2022 Analysis Date: 2/23/2022 SeqNo: 3032376 Units: mq/Kq

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

Chloride ND 1.5

Sample ID: LCS-65769 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65769 RunNo: 86027

Prep Date: 2/23/2022 Analysis Date: 2/23/2022 SeqNo: 3032377 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 97.2 90 110

Sample ID: MB-65772 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65772 RunNo: 86027

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032421 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65772 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65772 RunNo: 86027

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032422 Units: mg/Kg

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

Chloride 15 1.5 15.00 0 99.5 90 110

Sample ID: MB-65779 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65779 RunNo: 86060

Prep Date: 2/24/2022 Analysis Date: 2/24/2022 SeqNo: 3033158 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65779 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65779 RunNo: 86060

Prep Date: 2/24/2022 Analysis Date: 2/24/2022 SeqNo: 3033159 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.2 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 15 of 20

# Hall Environmental Analysis Laboratory, Inc.

Result

53

5.8

**PQL** 

10

2202832 *01-Mar-22* 

WO#:

Client: GHD

**Project:** Jackson AT Battery

Sample ID: <b>MB-65647</b>	SampType: MBLK	TestCode: E	PA Method 8015M/D: Diesel Range	Organics
Client ID: PBS	Batch ID: 65647	RunNo: 8	85962	
Prep Date: 2/18/2022	Analysis Date: 2/21/202	SeqNo: 3	3028710 Units: mg/Kg	
Analyte	Result PQL SPK	value SPK Ref Val %REC	LowLimit HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	ND 10			
Motor Oil Range Organics (MRO)	ND 50			
Surr: DNOP	14	10.00 143	51.1 141	S
Sample ID: LCS-65647	SampType: LCS	TestCode: E	EPA Method 8015M/D: Diesel Range	Organics
Client ID: LCSS	Batch ID: 65647	RunNo: 8	85962	
Prep Date: 2/18/2022	Analysis Date: 2/21/202	SeqNo: 3	3028712 Units: mg/Kg	
Analyte	Result PQL SPK	value SPK Ref Val %REC	LowLimit HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	60 10	50.00 0 119	68.9 135	
Surr: DNOP	6.5	5.000 130	51.1 141	
Sample ID: <b>MB-65645</b>	SampType: MBLK	TestCode: E	PA Method 8015M/D: Diesel Range	Organics
Client ID: PBS	Batch ID: 65645	RunNo: 8	85962	
Prep Date: 2/18/2022	Analysis Date: 2/21/202	22 SeqNo: 3	3028713 Units: mg/Kg	
Analyte	Result PQL SPK	value SPK Ref Val %REC	LowLimit HighLimit %RPD	RPDLimit Qual
Diesel Range Organics (DRO)	ND 10			
Motor Oil Range Organics (MRO)	ND 50			
Surr: DNOP	14	10.00 141	51.1 141	
Sample ID: LCS-65645	SampType: LCS	TestCode: E	EPA Method 8015M/D: Diesel Range	Organics
Client ID: LCSS	Batch ID: 65645	RunNo: 8	85962	
Prep Date: 2/18/2022	Analysis Date: 2/21/202	22 SeqNo: 3	3028714 Units: mg/Kg	

SPK value SPK Ref Val %REC

0

50.00

5.000

#### Qualifiers:

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

Diesel Range Organics (DRO)

Surr: DNOP

- B Analyte detected in the associated Method Blank

LowLimit

68.9

51.1

107

116

HighLimit

135

141

%RPD

**RPDLimit** 

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

Page 16 of 20

### Hall Environmental Analysis Laboratory, Inc.

WO#: 2202832

01-Mar-22

**Client: GHD** 

**Project:** Jackson AT Battery

Sample ID: Ics-65635 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65635 RunNo: 85948

Prep Date: 2/17/2022 Analysis Date: 2/19/2022 SeqNo: 3027165 Units: mq/Kq

SPK value SPK Ref Val **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit %RPD Qual Gasoline Range Organics (GRO) 25 5.0 25.00 Λ 101 78.6 131 Surr: BFB 1200 1000 117 130

Sample ID: mb-65635 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65635 RunNo: 85948

Prep Date: 2/17/2022 Units: mg/Kg Analysis Date: 2/19/2022 SeqNo: 3027166

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

103

70

130

Sample ID: Ics-65638 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

1000

Client ID: LCSS Batch ID: 65638 RunNo: 85948

1000

Prep Date: 2/17/2022 Analysis Date: 2/20/2022 SeqNo: 3027189 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) 24 5.0 25.00 0 97.6 78.6 131 Surr: BFB 1100 1000 114 70 130

TestCode: EPA Method 8015D: Gasoline Range Sample ID: mb-65638 SampType: MBLK Client ID: PBS Batch ID: 65638 RunNo: 85948

Prep Date: 2/17/2022 Analysis Date: 2/20/2022 SeqNo: 3027190 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 1000 1000 104 70 130

Sample ID: 2202832-009AMS SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: BH-77 Batch ID: 65638 RunNo: 85948

Prep Date: 2/17/2022 Analysis Date: 2/20/2022 SeqNo: 3027192 Units: mq/Kq

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 25 4.9 0 70 24.73 100 130 Surr: BFB 1200 989.1 117 70 130

TestCode: EPA Method 8015D: Gasoline Range Sample ID: 2202832-009AMSD SampType: MSD

Client ID: **BH-77** Batch ID: 65638 RunNo: 85948

Prep Date: 2/17/2022 Analysis Date: 2/20/2022 SeqNo: 3027193 Units: mg/Kg

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

#### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202832** *01-Mar-22* 

Qual

Client: GHD

**Project:** Jackson AT Battery

Sample ID: 2202832-009AMSD SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-77** Batch ID: **65638** RunNo: **85948** 

Prep Date: 2/17/2022 Analysis Date: 2/20/2022 SeqNo: 3027193 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** 0 20 Gasoline Range Organics (GRO) 24 4.9 24.49 98.6 70 130 2.43 Surr: BFB 1200 979.4 119 70 130 0 0

#### Qualifiers:

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202832** *01-Mar-22* 

Client: GHD

**Project:** Jackson AT Battery

Sample ID: Ics-65635	SampT	ype: <b>LC</b>	s	Tes	tCode: El	PA Method	8021B: Volatiles				
Client ID: LCSS	Batch	n ID: <b>65</b> 6	635	F	RunNo: 8	5948					
Prep Date: 2/17/2022	Analysis D	Analysis Date: <b>2/19/2022</b> SeqNo: <b>302</b>				SeqNo: <b>3027231</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.97	0.025	1.000	0	96.5	80	120				
Toluene	0.99	0.050	1.000	0	98.6	80	120				
Ethylbenzene	0.99	0.050	1.000	0	99.5	80	120				
Xylenes, Total	3.0	0.10	3.000	0	99.7	80	120				
Surr: 4-Bromofluorobenzene	0.93		1.000		92.9	70	130				

Sample ID: <b>mb-65635</b>	Sampl	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: <b>65</b> 0	635	R	tunNo: 8	5948				
Prep Date: 2/17/2022	Analysis D	ate: 2/	19/2022	SeqNo: 3027232 Units: mg/Kg				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	0.88		1.000		88.2	70	130			

Sample ID: Ics-65638	Sampl	SampType: LCS TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batcl	h ID: <b>65</b> 0	638 RunNo: 85948							
Prep Date: 2/17/2022	Analysis D	Date: 2/	20/2022	SeqNo: 3027255 Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.8	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.5	70	130			

Sample ID: mb-65638 SampType: MBLK				TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: <b>65</b> 0	638	F	5948					
Prep Date: 2/17/2022	Analysis D	oate: <b>2/</b>	20/2022	SeqNo: 3027256 Units: mg/Kg				(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	0.89		1.000		88.6	70	130			

#### Qualifiers:

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202832** *01-Mar-22* 

Client: GHD

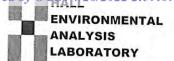
**Project:** Jackson AT Battery

Sample ID: 2202832-010ams	SampT	уре: <b>М</b> S	3	Tes	TestCode: EPA Method 8021B: Volatiles						
Client ID: BH-78	Batcl	h ID: <b>65</b> 6	638	F							
Prep Date: 2/17/2022	Analysis Date: 2/21/2022 SeqNo: 3028648 Units: mg/Kg										
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.86	0.024	0.9785	0	88.3	80	120				
Toluene	0.92	0.049	0.9785	0	93.7	80	120				
Ethylbenzene	0.94	0.049	0.9785	0	96.2	80	120				
Xylenes, Total	2.8	0.098	2.935	0	96.7	80	120				
Surr: 4-Bromofluorobenzene	0.91		0.9785		93.2	70	130				

#### Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

Client Name:	Work Order Nu	mber: 22	02832	RcptNo: 1			
Received By:	Cheyenne Cason	2/17/2022 8:00:00	) AM		Chul		
Completed By:	Cheyenne Cason	ne Cason 2/17/2022 8:42:			Chul		
Reviewed By:	2-17-22				Mine		
Chain of Cus	stody						
1. Is Chain of C	ustody complete?		Yes		No 🗌	Not Present	
2. How was the	sample delivered?		Cou	ırier			
Log In							
3. Was an atten	npt made to cool the sample	es?	Yes	<b>/</b>	No 🗌	NA 🗆	
4. Were all samp	oles received at a temperati	re of >0° C to 6.0°C	Yes	~	No 🗌	NA 🗆	
5. Sample(s) in p	proper container(s)?		Yes	V	No 🗌		
6. Sufficient sam	ple volume for indicated tes	t(s)?	Yes	V	No 🗆		
7. Are samples (e	except VOA and ONG) prop	erly preserved?	Yes	~	No 🗆		
	tive added to bottles?		Yes		No 🗹	NA 🗌	
9. Received at lea	ast 1 vial with headspace <	I/4" for AQ VOA?	Yes		No 🗆	NA 🗸	
	ple containers received bro		Yes		No 🗸	NA E	
11. Does paperwoo	rk match bottle labels? ncies on chain of custody)		Yes	<b>V</b>	No 🗆	# of preserved bottles checked for pH:	
	orrectly identified on Chain	of Custody2				(<2 or >12 Adjusted?	unless noted)
	analyses were requested?	or Custody?	Yes	V	No 🗔	Adjusted?	
14. Were all holdin	g times able to be met? stomer for authorization.)			V	No 🗌	Checked by: Cu	1 1/17/2m
Special Handli	ng (if applicable)						
15. Was client noti	ified of all discrepancies wit	h this order?	Yes		No 🗌	NA 🗹	
Person N	Notified:	Date:					
By Whon	n:	Via:	eMa	il TF	Phone Fax	In Person	
Regardin	g:					III r clauli	
Client Ins	structions:						
16. Additional rem	arks:						
7. Cooler Inform	427	Seal Intact Seal No	Seal Da	te	Signed By		
- 21	1.2 Good N	ot Present	, , , ,		eighted by		
2	4.8 Good N	ot Present					

Chain-	Chain-of-Custody Record	Turn-Around Ti	id Time:			2 101	S		Kec
Client GHD		Z/OStandard	□ Rush <-0.		HALL	LENV	TIRO	ENVIRONMENTA	eived
		Project Name:	6		VIV			ANALTSIS LABORATOR	-
Mailing Address:		100	AT RALL	4901 H	Www.h	, <u> </u>	nental.co	environmental.com	CD:
324 W. Main St. 8	324 W. Main St. Suite 108, Artesia NM 88210	##	6	Tel. 50	Tel. 505-345-3975		Eax 505-345-4107	MI 07 103	4/20
Phone #:	(505)377-4218	117.29	7974			Anal	Regues		-
email or Fax#:	Becky.Haskell@ghd.com	Project Manager	if.			*(	(1)	100	
QA/QC Package:	7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Becky Haskell		YMRC	SWI	)S ԠC	ypseu/	<u>S</u>	:59:05
1	☐ Level 4 (Full Validation)	I om Larson		0	S0	Ы	УДU	6	- F.
Accreditation:	☐ Az Compliance ☐ Other	Sampler: Za	Zach Comino X Yes	1010		' <sup>z</sup> ON		7/3	
ype)		lers:	1.2	GR	01			γ	_
		Cooler Temp(ind	P(including OF): 4、8~0 コ 4、8~	) <u>as</u> i	£8 \	r, N	100	ماد	
Date Time	Matrix Sample Name	Container Pr	Preservative HEAL No.	\ X3TEX \   08:Hq   9081 Pe	DB (Ma PAHs b) SCRA 8	31, F, B	O72 O2 lsto	1797	t
02Kn Oduc	S BH-69		(77)	2	1			7	-
- CESS	US-10		333						
OBO	15H-71		620						
SIBO	BH-72		8						
CSICO	84.73		Sail				-		
3005	15H-74		SEC.						
Spic	1811-75-		100)						
75101	Bit-76		88						
020	15k-7-		606						
>20I	BH-78		010						
1030	PH-13		I)O						
1035	/ SH-80 /		20	→				4	
Date: Time: R	Relinquished by:	Received by:	Via: Date Time	Remarks:	Remarks: Please email: Chase	iail: Chase		Settle@eogresources.com;	com;
OSIGN CORCO	Tellaum (211.	3	10/all	Tom	.Larson@c	hd.com; Z	ach.Com	Tom.Larson@ghd.com; Zach.Comino@ghd.com	=
<u>.</u>	einiquisiled by:	Received by:	Via: ` Date Time		000	listed above.	ove.	Mail Decky Liask	<i>Pa</i> į
1932 1900 (	Wulling	3	Corn 2471 cr 0800		Direct	Direct Bill to EOG Chase Settle	Chase	Settle	ge 2
If necessary, sa	mples submitted to Hall Environmental may be subcontracted to other		boratories. This serves a	due very Annuelle	to be the second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			93

HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.hallenvironmental.com	- Albuquerque, NM 87109	4107	Alianysis keduest	cB's	5/8082 F 5/8082 P 5/82709 10, F 6/5/29	D(GR NO3, Netals Netals Netals	270 (Sen Sylvania)   1	8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					February   Received by: Via: Pate Time   Remarks: Please email: Chase_Settle@eogresources.com;   Time: Relinquished by:   Received by: Via: Date Time   Matthew.Laughlin@ghd.com; Zach.Comino@ghd.com; Along with Becky Haskell   Isted above.   Direct Bill to EOG Chase Settle   Incressary, 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 subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be subcontracted to other accredited laboratories. This serves as notice of this possibility.
Turn-Around Time:	-	Project #:	112292211	Project Manager	Becky Haskell Tom Larson	Sampler: Zach Comino On Ice: X Yes □ No	# of Coolers: 2 1.2 -0 = 1.2 Cooler Temp(including CF): 4 8-0 = 11.8	tive C	Tay 013	400				Received by: Via: Date Time Received by: Via: Date Time  **Time**  **Time**
Chain-of-Custody Record	Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210	Phone #: (505)377-4218	email or Fax#: Becky. Haskell@ghd.com	QA/QC Package:	Accreditation:   Az Compliance  NELAC  Other	EDD (1ype)	Date Time Matrix Sample Name	<u></u>	1 1330 to SW-18				Date: Time: Relinquished by:  Date: Time: Relinquished by:



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

March 04, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703 TEL: (432) 686-0086

FAX:

RE: Jackson AT Battery OrderNo.: 2202901

#### Dear Tom Larson:

Hall Environmental Analysis Laboratory received 20 sample(s) on 2/18/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andel

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/4/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-81

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 8:00:00 AM

 Lab ID:
 2202901-001
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1000	60	mg/Kg	20	2/24/2022 11:57:20 AM	65779
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/22/2022 11:41:29 PM	65661
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/22/2022 11:41:29 PM	65661
Surr: DNOP	82.8	51.1-141	%Rec	1	2/22/2022 11:41:29 PM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/21/2022 1:44:00 PM	65656
Surr: BFB	101	70-130	%Rec	1	2/21/2022 1:44:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 1:44:00 PM	65656
Toluene	ND	0.049	mg/Kg	1	2/21/2022 1:44:00 PM	65656
Ethylbenzene	ND	0.049	mg/Kg	1	2/21/2022 1:44:00 PM	65656
Xylenes, Total	ND	0.099	mg/Kg	1	2/21/2022 1:44:00 PM	65656
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	2/21/2022 1:44:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-82

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 8:05:00 AM

 Lab ID:
 2202901-002
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	1500	60	mg/Kg	20	2/24/2022 12:34:23 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/23/2022 12:05:39 AM	65661
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/23/2022 12:05:39 AM	65661
Surr: DNOP	82.6	51.1-141	%Rec	1	2/23/2022 12:05:39 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2022 2:03:00 PM	65656
Surr: BFB	107	70-130	%Rec	1	2/21/2022 2:03:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 2:03:00 PM	65656
Toluene	ND	0.050	mg/Kg	1	2/21/2022 2:03:00 PM	65656
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2022 2:03:00 PM	65656
Xylenes, Total	ND	0.10	mg/Kg	1	2/21/2022 2:03:00 PM	65656
Surr: 4-Bromofluorobenzene	90.7	70-130	%Rec	1	2/21/2022 2:03:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-83

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 8:10:00 AM

 Lab ID:
 2202901-003
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	CAS
Chloride	1500	60	mg/Kg	20	2/24/2022 12:46:44 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/23/2022 12:29:47 AM	65661
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/23/2022 12:29:47 AM	65661
Surr: DNOP	98.0	51.1-141	%Rec	1	2/23/2022 12:29:47 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/21/2022 2:23:00 PM	65656
Surr: BFB	108	70-130	%Rec	1	2/21/2022 2:23:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst:	RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 2:23:00 PM	65656
Toluene	ND	0.049	mg/Kg	1	2/21/2022 2:23:00 PM	65656
Ethylbenzene	ND	0.049	mg/Kg	1	2/21/2022 2:23:00 PM	65656
Xylenes, Total	ND	0.098	mg/Kg	1	2/21/2022 2:23:00 PM	65656
Surr: 4-Bromofluorobenzene	91.6	70-130	%Rec	1	2/21/2022 2:23:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-84

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 8:15:00 AM

 Lab ID:
 2202901-004
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1600	60	mg/Kg	20	2/24/2022 12:59:04 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	SB
Diesel Range Organics (DRO)	57	9.0	mg/Kg	1	2/23/2022 1:17:55 AM	65661
Motor Oil Range Organics (MRO)	88	45	mg/Kg	1	2/23/2022 1:17:55 AM	65661
Surr: DNOP	74.9	51.1-141	%Rec	1	2/23/2022 1:17:55 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/21/2022 2:43:00 PM	65656
Surr: BFB	101	70-130	%Rec	1	2/21/2022 2:43:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/21/2022 2:43:00 PM	65656
Toluene	ND	0.048	mg/Kg	1	2/21/2022 2:43:00 PM	65656
Ethylbenzene	ND	0.048	mg/Kg	1	2/21/2022 2:43:00 PM	65656
Xylenes, Total	ND	0.096	mg/Kg	1	2/21/2022 2:43:00 PM	65656
Surr: 4-Bromofluorobenzene	87.9	70-130	%Rec	1	2/21/2022 2:43:00 PM	65656

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-85

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 8:20:00 AM

 Lab ID:
 2202901-005
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2400	150	mg/Kg	50	2/28/2022 12:34:47 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	93	48	mg/Kg	5	2/23/2022 1:41:51 AM	65661
Motor Oil Range Organics (MRO)	ND	240	mg/Kg	5	2/23/2022 1:41:51 AM	65661
Surr: DNOP	106	51.1-141	%Rec	5	2/23/2022 1:41:51 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2022 3:03:00 PM	65656
Surr: BFB	106	70-130	%Rec	1	2/21/2022 3:03:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 3:03:00 PM	65656
Toluene	ND	0.050	mg/Kg	1	2/21/2022 3:03:00 PM	65656
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2022 3:03:00 PM	65656
Xylenes, Total	ND	0.099	mg/Kg	1	2/21/2022 3:03:00 PM	65656
Surr: 4-Bromofluorobenzene	89.9	70-130	%Rec	1	2/21/2022 3:03:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-86

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 9:00:00 AM

 Lab ID:
 2202901-006
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	2600	150	mg/Kg	50	2/28/2022 12:47:11 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/23/2022 2:05:35 AM	65661
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/23/2022 2:05:35 AM	65661
Surr: DNOP	114	51.1-141	%Rec	1	2/23/2022 2:05:35 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2022 3:23:00 PM	65656
Surr: BFB	107	70-130	%Rec	1	2/21/2022 3:23:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 3:23:00 PM	65656
Toluene	ND	0.050	mg/Kg	1	2/21/2022 3:23:00 PM	65656
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2022 3:23:00 PM	65656
Xylenes, Total	ND	0.10	mg/Kg	1	2/21/2022 3:23:00 PM	65656
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	1	2/21/2022 3:23:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-87

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 9:05:00 AM

 Lab ID:
 2202901-007
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	3300	150	mg/Kg	50	2/28/2022 12:59:36 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	2/23/2022 2:29:20 AM	65661
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/23/2022 2:29:20 AM	65661
Surr: DNOP	102	51.1-141	%Rec	1	2/23/2022 2:29:20 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2022 3:43:00 PM	65656
Surr: BFB	107	70-130	%Rec	1	2/21/2022 3:43:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 3:43:00 PM	65656
Toluene	ND	0.050	mg/Kg	1	2/21/2022 3:43:00 PM	65656
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2022 3:43:00 PM	65656
Xylenes, Total	ND	0.099	mg/Kg	1	2/21/2022 3:43:00 PM	65656
Surr: 4-Bromofluorobenzene	90.3	70-130	%Rec	1	2/21/2022 3:43:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-88

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 9:10:00 AM

 Lab ID:
 2202901-008
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1600	59	mg/Kg	20	2/24/2022 2:13:08 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/23/2022 2:53:01 AM	65661
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/23/2022 2:53:01 AM	65661
Surr: DNOP	116	51.1-141	%Rec	1	2/23/2022 2:53:01 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/21/2022 4:02:00 PM	65656
Surr: BFB	109	70-130	%Rec	1	2/21/2022 4:02:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 4:02:00 PM	65656
Toluene	ND	0.049	mg/Kg	1	2/21/2022 4:02:00 PM	65656
Ethylbenzene	ND	0.049	mg/Kg	1	2/21/2022 4:02:00 PM	65656
Xylenes, Total	ND	0.099	mg/Kg	1	2/21/2022 4:02:00 PM	65656
Surr: 4-Bromofluorobenzene	88.4	70-130	%Rec	1	2/21/2022 4:02:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-89

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 9:15:00 AM

 Lab ID:
 2202901-009
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL Q	ual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1400	60	mg/Kg	20	2/24/2022 2:25:29 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/23/2022 3:16:39 AM	65661
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/23/2022 3:16:39 AM	65661
Surr: DNOP	97.7	51.1-141	%Rec	1	2/23/2022 3:16:39 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/21/2022 5:02:00 PM	65656
Surr: BFB	99.8	70-130	%Rec	1	2/21/2022 5:02:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/21/2022 5:02:00 PM	65656
Toluene	ND	0.049	mg/Kg	1	2/21/2022 5:02:00 PM	65656
Ethylbenzene	ND	0.049	mg/Kg	1	2/21/2022 5:02:00 PM	65656
Xylenes, Total	ND	0.098	mg/Kg	1	2/21/2022 5:02:00 PM	65656
Surr: 4-Bromofluorobenzene	85.4	70-130	%Rec	1	2/21/2022 5:02:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-90

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 9:20:00 AM

 Lab ID:
 2202901-010
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1300	60	mg/Kg	20	2/24/2022 2:37:49 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	24	9.7	mg/Kg	1	2/23/2022 3:40:12 AM	65661
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/23/2022 3:40:12 AM	65661
Surr: DNOP	102	51.1-141	%Rec	1	2/23/2022 3:40:12 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/21/2022 5:21:00 PM	65656
Surr: BFB	100	70-130	%Rec	1	2/21/2022 5:21:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 5:21:00 PM	65656
Toluene	ND	0.049	mg/Kg	1	2/21/2022 5:21:00 PM	65656
Ethylbenzene	ND	0.049	mg/Kg	1	2/21/2022 5:21:00 PM	65656
Xylenes, Total	ND	0.099	mg/Kg	1	2/21/2022 5:21:00 PM	65656
Surr: 4-Bromofluorobenzene	84.7	70-130	%Rec	1	2/21/2022 5:21:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-91

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 10:00:00 AM

 Lab ID:
 2202901-011
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4300	150	mg/Kg	50	2/28/2022 1:12:01 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	10	9.5	mg/Kg	1	2/23/2022 4:03:46 AM	65661
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/23/2022 4:03:46 AM	65661
Surr: DNOP	102	51.1-141	%Rec	1	2/23/2022 4:03:46 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/21/2022 5:41:00 PM	65656
Surr: BFB	104	70-130	%Rec	1	2/21/2022 5:41:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/21/2022 5:41:00 PM	65656
Toluene	ND	0.049	mg/Kg	1	2/21/2022 5:41:00 PM	65656
Ethylbenzene	ND	0.049	mg/Kg	1	2/21/2022 5:41:00 PM	65656
Xylenes, Total	ND	0.097	mg/Kg	1	2/21/2022 5:41:00 PM	65656
Surr: 4-Bromofluorobenzene	88.1	70-130	%Rec	1	2/21/2022 5:41:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-92

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 10:05:00 AM

 Lab ID:
 2202901-012
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1200	60	mg/Kg	20	2/24/2022 3:02:30 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	20	9.8	mg/Kg	1	2/23/2022 4:27:21 AM	65661
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/23/2022 4:27:21 AM	65661
Surr: DNOP	118	51.1-141	%Rec	1	2/23/2022 4:27:21 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/21/2022 6:01:00 PM	65656
Surr: BFB	103	70-130	%Rec	1	2/21/2022 6:01:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 6:01:00 PM	65656
Toluene	ND	0.049	mg/Kg	1	2/21/2022 6:01:00 PM	65656
Ethylbenzene	ND	0.049	mg/Kg	1	2/21/2022 6:01:00 PM	65656
Xylenes, Total	ND	0.098	mg/Kg	1	2/21/2022 6:01:00 PM	65656
Surr: 4-Bromofluorobenzene	89.3	70-130	%Rec	1	2/21/2022 6:01:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-93

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 10:10:00 AM

 Lab ID:
 2202901-013
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1600	60	mg/Kg	20	2/24/2022 3:14:51 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/23/2022 4:50:56 AM	65661
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/23/2022 4:50:56 AM	65661
Surr: DNOP	116	51.1-141	%Rec	1	2/23/2022 4:50:56 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2022 6:21:00 PM	65656
Surr: BFB	109	70-130	%Rec	1	2/21/2022 6:21:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 6:21:00 PM	65656
Toluene	ND	0.050	mg/Kg	1	2/21/2022 6:21:00 PM	65656
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2022 6:21:00 PM	65656
Xylenes, Total	ND	0.10	mg/Kg	1	2/21/2022 6:21:00 PM	65656
Surr: 4-Bromofluorobenzene	91.3	70-130	%Rec	1	2/21/2022 6:21:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-94

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 10:15:00 AM

 Lab ID:
 2202901-014
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1600	60	mg/Kg	20	2/24/2022 3:27:12 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/23/2022 5:14:26 AM	65661
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/23/2022 5:14:26 AM	65661
Surr: DNOP	99.3	51.1-141	%Rec	1	2/23/2022 5:14:26 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2022 6:41:00 PM	65656
Surr: BFB	106	70-130	%Rec	1	2/21/2022 6:41:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 6:41:00 PM	65656
Toluene	ND	0.050	mg/Kg	1	2/21/2022 6:41:00 PM	65656
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2022 6:41:00 PM	65656
Xylenes, Total	ND	0.10	mg/Kg	1	2/21/2022 6:41:00 PM	65656
Surr: 4-Bromofluorobenzene	90.5	70-130	%Rec	1	2/21/2022 6:41:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-95

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 10:20:00 AM

 Lab ID:
 2202901-015
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	CAS
Chloride	1100	60	mg/Kg	20	2/24/2022 3:39:33 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/23/2022 5:38:09 AM	65661
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/23/2022 5:38:09 AM	65661
Surr: DNOP	113	51.1-141	%Rec	1	2/23/2022 5:38:09 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/21/2022 7:00:00 PM	65656
Surr: BFB	105	70-130	%Rec	1	2/21/2022 7:00:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/21/2022 7:00:00 PM	65656
Toluene	ND	0.049	mg/Kg	1	2/21/2022 7:00:00 PM	65656
Ethylbenzene	ND	0.049	mg/Kg	1	2/21/2022 7:00:00 PM	65656
Xylenes, Total	ND	0.097	mg/Kg	1	2/21/2022 7:00:00 PM	65656
Surr: 4-Bromofluorobenzene	89.2	70-130	%Rec	1	2/21/2022 7:00:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-96

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 11:00:00 AM

 Lab ID:
 2202901-016
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	4200	150	mg/Kg	50	2/28/2022 1:24:25 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	27	9.8	mg/Kg	1	2/23/2022 6:01:57 AM	65661
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/23/2022 6:01:57 AM	65661
Surr: DNOP	89.7	51.1-141	%Rec	1	2/23/2022 6:01:57 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/21/2022 7:20:00 PM	65656
Surr: BFB	102	70-130	%Rec	1	2/21/2022 7:20:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 7:20:00 PM	65656
Toluene	ND	0.050	mg/Kg	1	2/21/2022 7:20:00 PM	65656
Ethylbenzene	ND	0.050	mg/Kg	1	2/21/2022 7:20:00 PM	65656
Xylenes, Total	ND	0.10	mg/Kg	1	2/21/2022 7:20:00 PM	65656
Surr: 4-Bromofluorobenzene	88.6	70-130	%Rec	1	2/21/2022 7:20:00 PM	65656

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

Qualifiers:

- Value exceeds Maximum Contaminant Level.
- D Sample Diluted Due to Matrix
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- 8 % Recovery outside of 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 **2202901**Date Reported: **3/4/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-97

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 11:05:00 AM

 Lab ID:
 2202901-017
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Unit	s DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	7900	300	mg/k	(g 10	0 2/28/2022 1:36:50 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	23	9.8	mg/k	(g 1	2/23/2022 6:25:44 AM	65661
Motor Oil Range Organics (MRO)	49	49	mg/k	(g 1	2/23/2022 6:25:44 AM	65661
Surr: DNOP	109	51.1-141	%Re	c 1	2/23/2022 6:25:44 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/k	(g 1	2/21/2022 7:40:00 PM	65656
Surr: BFB	103	70-130	%Re	c 1	2/21/2022 7:40:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/k	(g 1	2/21/2022 7:40:00 PM	65656
Toluene	ND	0.049	mg/k	(g 1	2/21/2022 7:40:00 PM	65656
Ethylbenzene	ND	0.049	mg/k	(g 1	2/21/2022 7:40:00 PM	65656
Xylenes, Total	ND	0.098	mg/k	(g 1	2/21/2022 7:40:00 PM	65656
Surr: 4-Bromofluorobenzene	88.8	70-130	%Re	c 1	2/21/2022 7:40:00 PM	65656

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

Qualifiers:

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

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Date Reported: 3/4/2022

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-98

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 11:10:00 AM

 Lab ID:
 2202901-018
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	4100	150	mg/Kg	50	2/25/2022 1:57:39 PM	65794
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	8.7	mg/Kg	1	2/23/2022 6:49:29 AM	65661
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/23/2022 6:49:29 AM	65661
Surr: DNOP	114	51.1-141	%Rec	1	2/23/2022 6:49:29 AM	65661
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/21/2022 8:00:00 PM	65656
Surr: BFB	103	70-130	%Rec	1	2/21/2022 8:00:00 PM	65656
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	2/21/2022 8:00:00 PM	65656
Toluene	ND	0.049	mg/Kg	1	2/21/2022 8:00:00 PM	65656
Ethylbenzene	ND	0.049	mg/Kg	1	2/21/2022 8:00:00 PM	65656
Xylenes, Total	ND	0.098	mg/Kg	1	2/21/2022 8:00:00 PM	65656
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	2/21/2022 8:00:00 PM	65656

Refer to the QC Summary 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 **2202901**Date Reported: **3/4/2022** 

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-99

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 11:15:00 AM

 Lab ID:
 2202901-019
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	2300	150	mg/Kg	50	2/25/2022 2:10:03 PM	65794
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/22/2022 1:32:50 PM	65678
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/22/2022 1:32:50 PM	65678
Surr: DNOP	111	51.1-141	%Rec	1	2/22/2022 1:32:50 PM	65678
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/22/2022 12:59:19 AM	65658
Surr: BFB	106	70-130	%Rec	1	2/22/2022 12:59:19 AM	65658
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.024	mg/Kg	1	2/22/2022 12:59:19 AM	65658
Toluene	ND	0.049	mg/Kg	1	2/22/2022 12:59:19 AM	65658
Ethylbenzene	ND	0.049	mg/Kg	1	2/22/2022 12:59:19 AM	65658
Xylenes, Total	ND	0.097	mg/Kg	1	2/22/2022 12:59:19 AM	65658
Surr: 4-Bromofluorobenzene	98.4	70-130	%Rec	1	2/22/2022 12:59:19 AM	65658

Refer to the QC Summary 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 **2202901**Date Reported: **3/4/2022** 

#### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-100

 Project:
 Jackson AT Battery
 Collection Date: 2/16/2022 11:20:00 AM

 Lab ID:
 2202901-020
 Matrix: SOIL
 Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	JMT
Chloride	3300	150		mg/Kg	50	2/25/2022 2:22:28 PM	65794
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	SB
Diesel Range Organics (DRO)	4300	500		mg/Kg	50	2/22/2022 1:43:52 PM	65678
Motor Oil Range Organics (MRO)	4000	2500		mg/Kg	50	2/22/2022 1:43:52 PM	65678
Surr: DNOP	0	51.1-141	S	%Rec	50	2/22/2022 1:43:52 PM	65678
EPA METHOD 8015D: GASOLINE RANGE						Analyst	NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Surr: BFB	106	70-130		%Rec	5	2/22/2022 2:09:49 AM	65658
EPA METHOD 8021B: VOLATILES						Analyst	NSB
Benzene	ND	0.12		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Toluene	ND	0.25		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Ethylbenzene	ND	0.25		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Xylenes, Total	ND	0.50		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	5	2/22/2022 2:09:49 AM	65658

Refer to the QC Summary 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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#### **OC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2202901

04-Mar-22

**Client:** GHD Midland **Project:** Jackson AT Battery

Sample ID: MB-65779 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65779 RunNo: 86060

Prep Date: 2/24/2022 Analysis Date: 2/24/2022 SeqNo: 3033158 Units: mg/Kg

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

ND 1.5 Chloride

Sample ID: LCS-65779 TestCode: EPA Method 300.0: Anions SampType: Ics

Client ID: LCSS Batch ID: 65779 RunNo: 86060

Prep Date: Analysis Date: 2/24/2022 SeqNo: 3033159 2/24/2022 Units: mg/Kg

15.00

%RPD **RPDLimit** Result SPK value SPK Ref Val %REC HighLimit Qual Analyte POI LowLimit 0

91.2

90

Sample ID: MB-65794 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65794 RunNo: 86104

1.5

14

Prep Date: 2/24/2022 Analysis Date: 2/25/2022 SeqNo: 3035064 Units: mg/Kg

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

ND Chloride 1.5

Sample ID: LCS-65794 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65794 RunNo: 86104

Prep Date: 2/24/2022 Analysis Date: 2/25/2022 SeqNo: 3035065 Units: mg/Kg

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

Chloride 14 1.5 15.00 93.8 110

#### Qualifiers:

Chloride

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

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### **QC SUMMARY REPORT**

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202901** 

04-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65678	SampT	ype: <b>LC</b>	S	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	1D: <b>65</b> 6	678	F	RunNo: 8	5993				
Prep Date: 2/21/2022	Analysis D	ate: <b>2/</b> 2	22/2022	S	SeqNo: 30	029333	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	68.9	135			
Surr: DNOP	5.4		5.000		108	51.1	141			
Sample ID: MB-65678	SampT	уре: <b>МЕ</b>	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics						•
Client ID: PRS	Batch	ID: 656	678	F	RunNo. 84	5003				

Client ID: PBS	Batch	1D: <b>65</b> 6	678	F	RunNo: <b>85993</b>					
Prep Date: 2/21/2022	Analysis D	ate: 2/	22/2022	SeqNo: <b>3029334</b>			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.0	51.1	141			

Sample ID: 2202901-019AMSE	<b>)</b> SampT	уре: <b>МЅ</b>	SD.	TestCode: EPA Method 8015M/D: Diesel Range Organics									
Client ID: BH-99	Batch	ID: <b>65</b> 6	678	R									
Prep Date: 2/21/2022	Analysis D	ate: <b>2/</b> 2	22/2022	S	SeqNo: 30	030823	Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Diesel Range Organics (DRO)	46	10	49.95	6.697	78.8	39.3	155	1.30	23.4				
Surr: DNOP	4.3		4.995		85.7	51.1	141	0	0				

Sample ID: 2202901-019AMS	SampT	ype: <b>MS</b>	6	TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: BH-99	Batcl	n ID: <b>65</b> 0	678	RunNo: <b>85993</b>										
Prep Date: 2/21/2022	Analysis D	oate: 2/	22/2022	8	SeqNo: 30	030838	Units: mg/K							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Diesel Range Organics (DRO)	47	10	50.00	6.697	79.9	39.3	155							
Surr: DNOP	4.4		5.000		88.1	51.1	141							

Sample ID: MB-65661	SampT	ype: ME	BLK	TestCode: EPA Method 8015M/D: Diesel Range Organics										
Client ID: PBS	Batch	n ID: <b>65</b> 0	661	F	RunNo: 8									
Prep Date: 2/18/2022	Analysis D	ate: <b>2/</b>	22/2022	5	SeqNo: 30	31305	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual				
Diesel Range Organics (DRO)	ND	10												
Motor Oil Range Organics (MRO)	ND	50												
Surr: DNOP	9.6		10.00		95.8	51.1	141							

#### Qualifiers:

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

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### **QC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202901** 

04-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65661 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 65661 RunNo: 85989 Prep Date: 2/18/2022 Analysis Date: 2/22/2022 SeqNo: 3031306 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 10

 Diesel Range Organics (DRO)
 52
 10
 50.00
 0
 104
 68.9
 135

 Surr: DNOP
 4.6
 5.000
 92.1
 51.1
 141

#### Qualifiers:

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

#### Hall Environmental Analysis Laboratory, Inc.

04-Mar-22

2202901

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65658 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 65658 RunNo: 85971 Prep Date: 2/18/2022 Analysis Date: 2/21/2022 SeqNo: 3028349 Units: mg/Kg Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual

 Gasoline Range Organics (GRO)
 ND
 5.0

 Surr: BFB
 1100
 1000
 111
 70
 130

Sample ID: Ics-65658 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: **LCSS** Batch ID: **65658** RunNo: **85971** 

Prep Date: 2/18/2022 Analysis Date: 2/21/2022 SeqNo: 3028350 Units: mg/Kg

Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 78.6 Gasoline Range Organics (GRO) 24 5.0 25.00 96.3 131 Surr: BFB 1200 1000 124 70 130

Sample ID: MB-65656 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 65656 RunNo: 85977 Prep Date: 2/18/2022 Analysis Date: 2/21/2022 SeqNo: 3028593 Units: mg/Kg Result SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual **PQL** 

 Gasoline Range Organics (GRO)
 ND
 5.0

 Surr: BFB
 1100
 1000
 110
 70
 130

Sample ID: Ics-65656 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range
Client ID: LCSS Batch ID: 65656 RunNo: 85977

Prep Date: 2/18/2022 Analysis Date: 2/21/2022 SeqNo: 3028646 Units: mg/Kg

%REC %RPD Result **PQL** SPK value SPK Ref Val LowLimit HighLimit **RPDLimit** Qual Gasoline Range Organics (GRO) 27 5.0 25.00 Λ 108 78.6 131 1200 Surr: BFB 1000 118 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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#### **OC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202901** 

04-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65658 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 65658 RunNo: 85971 Prep Date: 2/18/2022 Analysis Date: 2/21/2022 SeqNo: 3028396 Units: mg/Kg Analyte **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.025 ND Benzene Toluene ND 0.050 ND 0.050 Ethylbenzene ND 0.10 Xylenes, Total Surr: 4-Bromofluorobenzene 1.0 1.000 102 70 130

Sample ID: LCS-65658 TestCode: EPA Method 8021B: Volatiles SampType: LCS Client ID: LCSS Batch ID: 65658 RunNo: 85971 Prep Date: Analysis Date: 2/21/2022 SeqNo: 3028397 2/18/2022 Units: ma/Ka SPK value %RPD **RPDLimit** SPK Ref Val %REC HighLimit Analyte Result POL LowLimit Qual Benzene 0.89 0.025 1.000 n 88.8 80 120 0 95.7 0.96 0.050 1.000 80 120 Toluene Ethylbenzene 0.97 0.050 1.000 0 97.5 80 120 0.10 n 98.6 80 Xylenes, Total 3.0 3.000 120 Surr: 4-Bromofluorobenzene 1.0 1.000 105 70 130

Sample ID: 2202901-019ams SampType: MS TestCode: EPA Method 8021B: Volatiles Client ID: BH-99 Batch ID: 65658 RunNo: 85971 Prep Date: 2/18/2022 Analysis Date: 2/22/2022 SeqNo: 3028399 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Benzene 0.82 0.024 0.9737 0 83.8 80 120 Toluene 0.88 0.049 0.9737 n 90.6 80 120 Ethylbenzene 0.91 0.049 0.9737 0 93.3 80 120 2.7 0.097 2.921 0 93.5 80 120 Xylenes, Total Surr: 4-Bromofluorobenzene 0.99 0.9737 102 70 130

Sample ID: 2202901-019amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles Batch ID: 65658 Client ID: BH-99 RunNo: 85971 Prep Date: 2/18/2022 Analysis Date: 2/22/2022 SeqNo: 3028400 Units: mg/Kg Analyte Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0.80 0.9718 81.8 80 120 2.56 20 0.024 n Benzene 0.88 0.9718 90.5 80 0.382 20 Toluene 0.049 0 120 93.9 20 Ethylbenzene 0.91 0.049 0.9718 0 80 120 0.436 Xylenes, Total 2.8 0.097 2.915 0 94.4 80 120 0.692 20 Surr: 4-Bromofluorobenzene 0.99 0.9718 102 70 130 0 0

#### Qualifiers:

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

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### **QC SUMMARY REPORT**

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202901** 

04-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65656 Client ID: LCSS	•	ype: <b>LC</b>	656	F	RunNo: 8	5977	d 8021B: Volatiles						
Prep Date: 2/18/2022	S	SeqNo: 30	028647	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	92.2	80	120						
Toluene	0.94	0.050	1.000	0	94.4	80	120						
Ethylbenzene	0.96	0.050	1.000	0	96.0	80	120						
Xylenes, Total	2.9	0.10	3.000	0	96.4	80	120						
Surr: 4-Bromofluorobenzene	0.95		1.000		95.3	70	130						

Sample ID: MB-65656	SampT	ype: ME	BLK	Tes	tCode: El	de: EPA Method 8021B: Volatiles									
Client ID: PBS	656	RunNo: <b>85977</b>													
Prep Date: 2/18/2022	Analysis D	)ate: <b>2/</b>	21/2022	S	SeqNo: 3	028695	Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual					
Benzene	ND	0.025													
Toluene	ND	0.050													
Ethylbenzene	ND	0.050													
Xylenes, Total	ND	0.10													
Surr: 4-Bromofluorobenzene	0.95		1.000		94.6	70	130								

#### Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

### Sample Log-In Check List

ENVIRONMENTAL ANALYSIS LABORATORY

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

Client Name:	GHD Midland	Work Order Num	nber: 220	2901			RcptNo: 1
Received By:	Tracy Casarrubias	2/18/2022 7:36:00	AM				
Completed By:	Tracy Casarrubias	2/18/2022 8:42:09	AM				
Reviewed By:	WPG 2	18/22					
Chain of Cust							
1. Is Chain of Cu	stody complete?		Yes	~	No		Not Present
2. How was the s	ample delivered?		Cou				Not resem 🗀
Log In							
	ot made to cool the sample	s?	Yes	<b>V</b>	No		NA 🗌
4. Were all sampl	es received at a temperatu	ure of >0° C to 6.0°C	Yes	~	No		NA 🗆
5. Sample(s) in p	roper container(s)?		Yes	<b>V</b>	No		
6. Sufficient samp	le volume for indicated tes	t(s)?	Yes	<b>V</b>	No		
7. Are samples (e.	xcept VOA and ONG) prop	erly preserved?	Yes	~	No		
8. Was preservation	ve added to bottles?		Yes		No	<b>V</b>	NA 🗆
9. Received at lea	st 1 vial with headspace <	1/4" for AQ VOA?	Yes		No		NA 🗹
10. Were any samր	ole containers received bro	ken?	Yes		No	<b>V</b>	# of preserved
	match bottle labels?		Yes	V	No		bottles checked for pH: (<2 or >12 unless noted)
	rrectly identified on Chain	of Custody?	Yes	<b>V</b>	No		Adjusted?
	inalyses were requested?			<b>V</b>	100		
4. Were all holding (If no, notify cus	times able to be met? tomer for authorization.)		Yes	<b>V</b>	No !		effecked by: JA2/18/2
pecial Handlin	g (if applicable)					/	
	ied of all discrepancies wit	h this order?	Yes		No		NA 🗹
Person N	otified:	Date:					
By Whom		Via:	☐ eMa	il 🗆 F	Phone	Fax	In Person
Regarding	i:						
Client Inst	ructions:						
6. Additional rema	arks:						
7. Cooler Informa Cooler No	Temp °C Condition	Seal Intact Seal No	Seal Da	te	Signed B	у	

Page 1 of 1

Good

Yes

1900

11/32

lime:

CILL

QA/QC Package:

□ Standard

email or Fax#:

Phone #:

Mailing Address:

Client: GHD

□ Other

□ NELAC

Accreditation:

EDD (Type)

Matrix 50

Time

Date

ORGO

227720

230

080

0820

Bac

Spar

15160

0160

3080

0350

8

Time: 8

Date:

	HALL ENVIRONMENTAL	ANALYSIS LABORATORY		- Albuquerque, NM 87109	4107	Analysis Request	s (OA)	Appended to the second of the	080 () () ()	NC (808)	sesk 1 500 o 1 500 o 1 500 o	ficiological process of the second process o	PH:8019 DB (Me DB (We CRA 8 I F, Br, F, Br, Tall Colif	828 (CI (CI (CI (CI (CI (CI (CI (CI (CI (CI	2								,		Remarks: Please email: Chase South	Tom.Larson@ghd.com; Zach.Comino@ghd.com	Marin ew. Laughlin @gnd.com. Along with Becky Haskell listed above.  Direct Bill to EOG Chase Settle	
Turn-Around Time:	Standard C Bush	l.,	Jochen AT RI	Project #:	112292511	5			Zach Comino	X Yes	olers: 2	(Including CF): 4 (6 +0 4 : 4 7	Container Preservative HEAL No. (以) Type and # Type	210	X	50	SIO	910	510	2 2	210	000			d by: Via: Date Time	my 2/1/22 En	Received by: Via: 1 fam. Date Time	
Chain-of-Custody Record	Client: GHD		Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210		email or Fax#: Becky.Haskell@ghd.com	QA/QC Package:	☐ Level 4 (Full Validation)	n:   Az Compliance	NELAC 🗆 Other	□ EDD (Type)		Date Time Matrix Sample Name		105 1 Rid.94	10		-	1105 (3)4-97	Mc 134.98	M5 RA-99	4 1120 4 BH-100			Date: Time: Relinquished by:	Date: Time: Religious Pull.	22 190 alyman	If necessary, samples submitted to Hall Erivironmental may be subcontracted to other accredited laboratories.



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

March 08, 2022

Becky Haskell
GHD
6121 Indian School Road, NE #200
Albuquerque, NM 87110
TEL: (505) 884-0672

**FAX** 

RE: Jackson AT Battery OrderNo.: 2202943

#### Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 18 sample(s) on 2/19/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-101

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 8:00:00 AM

 **Lab ID:** 2202943-001
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1300	61	mg/Kg	20	2/25/2022 9:24:21 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/28/2022 4:04:08 PM	65745
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/28/2022 4:04:08 PM	65745
Surr: DNOP	83.7	51.1-141	%Rec	1	2/28/2022 4:04:08 PM	65745
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/22/2022 7:19:00 PM	65691
Surr: BFB	103	70-130	%Rec	1	2/22/2022 7:19:00 PM	65691
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/22/2022 7:19:00 PM	65691
Toluene	ND	0.047	mg/Kg	1	2/22/2022 7:19:00 PM	65691
Ethylbenzene	ND	0.047	mg/Kg	1	2/22/2022 7:19:00 PM	65691
Xylenes, Total	ND	0.095	mg/Kg	1	2/22/2022 7:19:00 PM	65691
Surr: 4-Bromofluorobenzene	89.7	70-130	%Rec	1	2/22/2022 7:19:00 PM	65691

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

Qualifiers:

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-102

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 8:05:00 AM

 **Lab ID:** 2202943-002
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	890	60	mg/Kg	20	2/25/2022 9:36:45 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/28/2022 4:14:53 PM	65745
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/28/2022 4:14:53 PM	65745
Surr: DNOP	98.2	51.1-141	%Rec	1	2/28/2022 4:14:53 PM	65745
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/22/2022 7:39:00 PM	65691
Surr: BFB	103	70-130	%Rec	1	2/22/2022 7:39:00 PM	65691
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/22/2022 7:39:00 PM	65691
Toluene	ND	0.048	mg/Kg	1	2/22/2022 7:39:00 PM	65691
Ethylbenzene	ND	0.048	mg/Kg	1	2/22/2022 7:39:00 PM	65691
Xylenes, Total	ND	0.096	mg/Kg	1	2/22/2022 7:39:00 PM	65691
Surr: 4-Bromofluorobenzene	89.2	70-130	%Rec	1	2/22/2022 7:39:00 PM	65691

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

Qualifiers:

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-103

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 8:10:00 AM

 **Lab ID:** 2202943-003
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	1400	60	mg/Kg	20	2/25/2022 9:49:09 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/28/2022 4:25:38 PM	65745
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/28/2022 4:25:38 PM	65745
Surr: DNOP	84.6	51.1-141	%Rec	1	2/28/2022 4:25:38 PM	65745
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/22/2022 7:59:00 PM	65691
Surr: BFB	101	70-130	%Rec	1	2/22/2022 7:59:00 PM	65691
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/22/2022 7:59:00 PM	65691
Toluene	ND	0.049	mg/Kg	1	2/22/2022 7:59:00 PM	65691
Ethylbenzene	ND	0.049	mg/Kg	1	2/22/2022 7:59:00 PM	65691
Xylenes, Total	ND	0.099	mg/Kg	1	2/22/2022 7:59:00 PM	65691
Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	1	2/22/2022 7:59:00 PM	65691

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-104

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 8:15:00 AM

 **Lab ID:** 2202943-004
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1500	60	mg/Kg	20	2/25/2022 10:01:33 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	24	9.5	mg/Kg	1	2/25/2022 7:49:41 AM	65705
Motor Oil Range Organics (MRO)	94	47	mg/Kg	1	2/25/2022 7:49:41 AM	65705
Surr: DNOP	136	51.1-141	%Rec	1	2/25/2022 7:49:41 AM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/22/2022 10:17:00 PM	65695
Surr: BFB	101	70-130	%Rec	1	2/22/2022 10:17:00 PM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/22/2022 10:17:00 PM	65695
Toluene	ND	0.048	mg/Kg	1	2/22/2022 10:17:00 PM	65695
Ethylbenzene	ND	0.048	mg/Kg	1	2/22/2022 10:17:00 PM	65695
Xylenes, Total	ND	0.097	mg/Kg	1	2/22/2022 10:17:00 PM	65695
Surr: 4-Bromofluorobenzene	88.2	70-130	%Rec	1	2/22/2022 10:17:00 PM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-105

 Project:
 Jackson AT Battery
 Collection Date: 2/17/2022 8:20:00 AM

 Lab ID:
 2202943-005
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1400	60	mg/Kg	20	2/25/2022 10:13:57 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	2/23/2022 4:44:38 PM	65705
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	2/23/2022 4:44:38 PM	65705
Surr: DNOP	87.9	51.1-141	%Rec	1	2/23/2022 4:44:38 PM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/22/2022 11:16:00 PM	65695
Surr: BFB	107	70-130	%Rec	1	2/22/2022 11:16:00 PM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/22/2022 11:16:00 PM	65695
Toluene	ND	0.047	mg/Kg	1	2/22/2022 11:16:00 PM	65695
Ethylbenzene	ND	0.047	mg/Kg	1	2/22/2022 11:16:00 PM	65695
Xylenes, Total	ND	0.095	mg/Kg	1	2/22/2022 11:16:00 PM	65695
Surr: 4-Bromofluorobenzene	91.3	70-130	%Rec	1	2/22/2022 11:16:00 PM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-106

 Project:
 Jackson AT Battery
 Collection Date: 2/17/2022 8:25:00 AM

 Lab ID:
 2202943-006
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1300	60	mg/Kg	20	2/25/2022 10:26:21 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	53	9.4	mg/Kg	1	2/25/2022 7:28:32 AM	65705
Motor Oil Range Organics (MRO)	150	47	mg/Kg	1	2/25/2022 7:28:32 AM	65705
Surr: DNOP	92.6	51.1-141	%Rec	1	2/25/2022 7:28:32 AM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/23/2022 12:15:00 AM	65695
Surr: BFB	106	70-130	%Rec	1	2/23/2022 12:15:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/23/2022 12:15:00 AM	65695
Toluene	ND	0.049	mg/Kg	1	2/23/2022 12:15:00 AM	65695
Ethylbenzene	ND	0.049	mg/Kg	1	2/23/2022 12:15:00 AM	65695
Xylenes, Total	ND	0.098	mg/Kg	1	2/23/2022 12:15:00 AM	65695
Surr: 4-Bromofluorobenzene	88.2	70-130	%Rec	1	2/23/2022 12:15:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-107

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 8:30:00 AM

 **Lab ID:** 2202943-007
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	730	60	mg/Kg	20	2/25/2022 10:38:45 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	27	9.4	mg/Kg	1	2/28/2022 10:51:54 AM	65705
Motor Oil Range Organics (MRO)	89	47	mg/Kg	1	2/28/2022 10:51:54 AM	65705
Surr: DNOP	99.6	51.1-141	%Rec	1	2/28/2022 10:51:54 AM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/23/2022 12:35:00 AM	65695
Surr: BFB	99.2	70-130	%Rec	1	2/23/2022 12:35:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/23/2022 12:35:00 AM	65695
Toluene	ND	0.049	mg/Kg	1	2/23/2022 12:35:00 AM	65695
Ethylbenzene	ND	0.049	mg/Kg	1	2/23/2022 12:35:00 AM	65695
Xylenes, Total	ND	0.097	mg/Kg	1	2/23/2022 12:35:00 AM	65695
Surr: 4-Bromofluorobenzene	87.7	70-130	%Rec	1	2/23/2022 12:35:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-108

 Project:
 Jackson AT Battery
 Collection Date: 2/17/2022 8:35:00 AM

 Lab ID:
 2202943-008
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	730	60	mg/Kg	20	2/25/2022 10:51:09 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	280	44	mg/Kg	5	2/25/2022 5:27:58 PM	65705
Motor Oil Range Organics (MRO)	880	220	mg/Kg	5	2/25/2022 5:27:58 PM	65705
Surr: DNOP	71.8	51.1-141	%Rec	5	2/25/2022 5:27:58 PM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/23/2022 12:55:00 AM	65695
Surr: BFB	103	70-130	%Rec	1	2/23/2022 12:55:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/23/2022 12:55:00 AM	65695
Toluene	ND	0.048	mg/Kg	1	2/23/2022 12:55:00 AM	65695
Ethylbenzene	ND	0.048	mg/Kg	1	2/23/2022 12:55:00 AM	65695
Xylenes, Total	ND	0.097	mg/Kg	1	2/23/2022 12:55:00 AM	65695
Surr: 4-Bromofluorobenzene	88.0	70-130	%Rec	1	2/23/2022 12:55:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: SW-7A

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 9:00:00 AM

 **Lab ID:** 2202943-009
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	2/25/2022 11:28:22 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	48	9.6	mg/Kg	1	2/28/2022 2:09:21 PM	65705
Motor Oil Range Organics (MRO)	150	48	mg/Kg	1	2/28/2022 2:09:21 PM	65705
Surr: DNOP	83.1	51.1-141	%Rec	1	2/28/2022 2:09:21 PM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/23/2022 1:14:00 AM	65695
Surr: BFB	102	70-130	%Rec	1	2/23/2022 1:14:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/23/2022 1:14:00 AM	65695
Toluene	ND	0.049	mg/Kg	1	2/23/2022 1:14:00 AM	65695
Ethylbenzene	ND	0.049	mg/Kg	1	2/23/2022 1:14:00 AM	65695
Xylenes, Total	ND	0.098	mg/Kg	1	2/23/2022 1:14:00 AM	65695
Surr: 4-Bromofluorobenzene	88.3	70-130	%Rec	1	2/23/2022 1:14:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: SW-6A

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 9:30:00 AM

 **Lab ID:** 2202943-010
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: JMT
Chloride	ND	60	mg/Kg	20	2/25/2022 11:40:46 PM	1 65814
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	61	47	mg/Kg	5	2/25/2022 6:10:16 PM	65705
Motor Oil Range Organics (MRO)	310	230	mg/Kg	5	2/25/2022 6:10:16 PM	65705
Surr: DNOP	86.0	51.1-141	%Rec	5	2/25/2022 6:10:16 PM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/23/2022 1:34:00 AM	65695
Surr: BFB	102	70-130	%Rec	1	2/23/2022 1:34:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/23/2022 1:34:00 AM	65695
Toluene	ND	0.050	mg/Kg	1	2/23/2022 1:34:00 AM	65695
Ethylbenzene	ND	0.050	mg/Kg	1	2/23/2022 1:34:00 AM	65695
Xylenes, Total	ND	0.10	mg/Kg	1	2/23/2022 1:34:00 AM	65695
Surr: 4-Bromofluorobenzene	88.0	70-130	%Rec	1	2/23/2022 1:34:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: SW-4A

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 9:45:00 AM

 **Lab ID:** 2202943-011
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	ND	60	mg/Kg	20	2/25/2022 11:53:10 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	56	45	mg/Kg	5	2/25/2022 6:31:21 PM	65705
Motor Oil Range Organics (MRO)	270	230	mg/Kg	5	2/25/2022 6:31:21 PM	65705
Surr: DNOP	68.4	51.1-141	%Rec	5	2/25/2022 6:31:21 PM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/23/2022 1:54:00 AM	65695
Surr: BFB	104	70-130	%Rec	1	2/23/2022 1:54:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/23/2022 1:54:00 AM	65695
Toluene	ND	0.049	mg/Kg	1	2/23/2022 1:54:00 AM	65695
Ethylbenzene	ND	0.049	mg/Kg	1	2/23/2022 1:54:00 AM	65695
Xylenes, Total	ND	0.097	mg/Kg	1	2/23/2022 1:54:00 AM	65695
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	2/23/2022 1:54:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-14A

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 10:15:00 AM

 **Lab ID:** 2202943-012
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1600	60	mg/Kg	20	2/26/2022 12:05:35 AM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	28	9.5	mg/Kg	1	2/25/2022 6:46:17 AM	65705
Motor Oil Range Organics (MRO)	130	48	mg/Kg	1	2/25/2022 6:46:17 AM	65705
Surr: DNOP	76.9	51.1-141	%Rec	1	2/25/2022 6:46:17 AM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/23/2022 2:13:00 AM	65695
Surr: BFB	103	70-130	%Rec	1	2/23/2022 2:13:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/23/2022 2:13:00 AM	65695
Toluene	ND	0.049	mg/Kg	1	2/23/2022 2:13:00 AM	65695
Ethylbenzene	ND	0.049	mg/Kg	1	2/23/2022 2:13:00 AM	65695
Xylenes, Total	ND	0.098	mg/Kg	1	2/23/2022 2:13:00 AM	65695
Surr: 4-Bromofluorobenzene	87.1	70-130	%Rec	1	2/23/2022 2:13:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-17A

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 10:45:00 AM

 **Lab ID:** 2202943-013
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	5400	150	mg/Kg	50	2/28/2022 1:57:23 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	:: SB
Diesel Range Organics (DRO)	340	50	mg/Kg	5	2/25/2022 6:52:24 PM	65705
Motor Oil Range Organics (MRO)	330	250	mg/Kg	5	2/25/2022 6:52:24 PM	65705
Surr: DNOP	79.1	51.1-141	%Rec	5	2/25/2022 6:52:24 PM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/23/2022 2:33:00 AM	65695
Surr: BFB	98.6	70-130	%Rec	1	2/23/2022 2:33:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/23/2022 2:33:00 AM	65695
Toluene	ND	0.050	mg/Kg	1	2/23/2022 2:33:00 AM	65695
Ethylbenzene	ND	0.050	mg/Kg	1	2/23/2022 2:33:00 AM	65695
Xylenes, Total	ND	0.10	mg/Kg	1	2/23/2022 2:33:00 AM	65695
Surr: 4-Bromofluorobenzene	86.0	70-130	%Rec	1	2/23/2022 2:33:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-20A

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 10:55:00 AM

 **Lab ID:** 2202943-014
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	280	60		mg/Kg	20	2/26/2022 12:30:25 AM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst	: SB
Diesel Range Organics (DRO)	310	97		mg/Kg	10	2/25/2022 11:42:46 AM	65705
Motor Oil Range Organics (MRO)	840	480		mg/Kg	10	2/25/2022 11:42:46 AM	65705
Surr: DNOP	0	51.1-141	S	%Rec	10	2/25/2022 11:42:46 AM	65705
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Surr: BFB	101	70-130		%Rec	1	2/23/2022 3:32:00 AM	65695
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Toluene	ND	0.048		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Xylenes, Total	ND	0.097		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	2/23/2022 3:32:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-21A

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 11:15:00 AM

 **Lab ID:** 2202943-015
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2500	150	mg/Kg	50	2/28/2022 2:34:36 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	260	9.8	mg/Kg	1	2/28/2022 3:00:00 PM	65705
Motor Oil Range Organics (MRO)	190	49	mg/Kg	1	2/28/2022 3:00:00 PM	65705
Surr: DNOP	83.9	51.1-141	%Rec	1	2/28/2022 3:00:00 PM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: RAA
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	2/23/2022 3:51:00 AM	65695
Surr: BFB	102	70-130	%Rec	5	2/23/2022 3:51:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	2/23/2022 3:51:00 AM	65695
Toluene	ND	0.24	mg/Kg	5	2/23/2022 3:51:00 AM	65695
Ethylbenzene	ND	0.24	mg/Kg	5	2/23/2022 3:51:00 AM	65695
Xylenes, Total	ND	0.48	mg/Kg	5	2/23/2022 3:51:00 AM	65695
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	5	2/23/2022 3:51:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-23A

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 11:45:00 AM

 **Lab ID:** 2202943-016
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	:: ЈМТ
Chloride	2500	150		mg/Kg	50	2/28/2022 2:47:01 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	270	100		mg/Kg	10	2/23/2022 7:01:32 PM	65705
Motor Oil Range Organics (MRO)	510	500		mg/Kg	10	2/23/2022 7:01:32 PM	65705
Surr: DNOP	0	51.1-141	S	%Rec	10	2/23/2022 7:01:32 PM	65705
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Surr: BFB	104	70-130		%Rec	1	2/23/2022 4:11:00 AM	65695
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Toluene	ND	0.047		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Ethylbenzene	ND	0.047		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Xylenes, Total	ND	0.094		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	2/23/2022 4:11:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-109

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 1:10:00 PM

 **Lab ID:** 2202943-017
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1200	59	mg/Kg	20	2/26/2022 1:07:38 AM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	330	46	mg/Kg	5	2/25/2022 7:34:28 PM	65705
Motor Oil Range Organics (MRO)	870	230	mg/Kg	5	2/25/2022 7:34:28 PM	65705
Surr: DNOP	88.2	51.1-141	%Rec	5	2/25/2022 7:34:28 PM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/23/2022 4:30:00 AM	65695
Surr: BFB	105	70-130	%Rec	1	2/23/2022 4:30:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/23/2022 4:30:00 AM	65695
Toluene	ND	0.049	mg/Kg	1	2/23/2022 4:30:00 AM	65695
Ethylbenzene	ND	0.049	mg/Kg	1	2/23/2022 4:30:00 AM	65695
Xylenes, Total	ND	0.098	mg/Kg	1	2/23/2022 4:30:00 AM	65695
Surr: 4-Bromofluorobenzene	87.7	70-130	%Rec	1	2/23/2022 4:30:00 AM	65695

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Client Sample ID: BH-110

**Project:** Jackson AT Battery
 Collection Date: 2/17/2022 1:40:00 PM

 **Lab ID:** 2202943-018
 Matrix: SOIL
 Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2000	61	mg/Kg	20	2/26/2022 1:20:03 AM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	210	50	mg/Kg	5	2/28/2022 12:33:55 PM	65705
Motor Oil Range Organics (MRO)	490	250	mg/Kg	5	2/28/2022 12:33:55 PM	65705
Surr: DNOP	88.6	51.1-141	%Rec	5	2/28/2022 12:33:55 PM	65705
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/23/2022 4:50:00 AM	65695
Surr: BFB	103	70-130	%Rec	1	2/23/2022 4:50:00 AM	65695
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/23/2022 4:50:00 AM	65695
Toluene	ND	0.048	mg/Kg	1	2/23/2022 4:50:00 AM	65695
Ethylbenzene	ND	0.048	mg/Kg	1	2/23/2022 4:50:00 AM	65695
Xylenes, Total	ND	0.095	mg/Kg	1	2/23/2022 4:50:00 AM	65695
Surr: 4-Bromofluorobenzene	86.8	70-130	%Rec	1	2/23/2022 4:50:00 AM	65695

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

Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202943** 

08-Mar-22

Client: GHD

**Project:** Jackson AT Battery

Sample ID: MB-65813 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65813 RunNo: 86104

Prep Date: 2/25/2022 Analysis Date: 2/25/2022 SeqNo: 3035100 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65813 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65813 RunNo: 86104

Prep Date: 2/25/2022 Analysis Date: 2/25/2022 SeqNo: 3035101 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 91.8 90 110

Sample ID: MB-65814 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65814 RunNo: 86104

Prep Date: 2/25/2022 Analysis Date: 2/25/2022 SeqNo: 3035102 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65814 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65814 RunNo: 86104

Prep Date: 2/25/2022 Analysis Date: 2/25/2022 SeqNo: 3035103 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.1 90 110

### Qualifiers:

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202943** 

08-Mar-22

Client: GHD

**Project:** Jackson AT Battery

Sample ID: LCS-65705	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 65705	RunNo: <b>86029</b>
Prep Date: 2/22/2022	Analysis Date: 2/23/2022	SeqNo: 3032025 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	46 10 50.00	0 91.9 68.9 135
Surr: DNOP	4.5 5.000	89.5 51.1 141
Sample ID: MB-65705	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65705	RunNo: 86029
Prep Date: 2/22/2022	Analysis Date: 2/23/2022	SeqNo: 3032028 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	9.4 10.00	93.7 51.1 141
Sample ID: LCS-65745	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: LCSS	Batch ID: 65745	RunNo: <b>86063</b>
Prep Date: 2/23/2022	Analysis Date: 2/24/2022	SeqNo: 3033007 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	51 10 50.00	0 101 68.9 135
Surr: DNOP	4.7 5.000	94.2 51.1 141
Sample ID: <b>MB-65745</b>	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: PBS	Batch ID: 65745	RunNo: 86063
Prep Date: 2/23/2022	Analysis Date: 2/24/2022	SeqNo: 3033011 Units: mg/Kg
Analyte	Result PQL SPK value	SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO)	ND 10	
Motor Oil Range Organics (MRO)	ND 50	
Surr: DNOP	9.7 10.00	96.9 51.1 141
Sample ID: <b>2202943-004AMS</b>	SampType: <b>MS</b>	TestCode: EPA Method 8015M/D: Diesel Range Organics
Client ID: BH-104	Batch ID: 65705	RunNo: 86063
Prep Date: 2/22/2022	Analysis Date: 2/25/2022	SeqNo: 3033148 Units: mg/Kg

### Qualifiers:

Surr: DNOP

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

Diesel Range Organics (DRO)

Result

55

3.5

PQL

9.9

B Analyte detected in the associated Method Blank

62.8

70.7

LowLimit

39.3

51.1

HighLimit

155

141

%RPD

E Estimated value

SPK value SPK Ref Val %REC

23.58

49.46

4.946

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

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**RPDLimit** 

Qual

### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202943** *08-Mar-22* 

Qual

Client: GHD

**Project:** Jackson AT Battery

Sample ID: 2202943-004AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BH-104** Batch ID: **65705** RunNo: **86063** 

Prep Date: 2/22/2022 Analysis Date: 2/25/2022 SeqNo: 3033149 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	(
Diesel Range Organics (DRO)	63	8.8	44.13	23.58	89.6	39.3	155	14.4	23.4	
Surr: DNOP	3.4		4.413		76.0	51.1	141	0	0	

### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202943** 

Qual

**RPDLimit** 

08-Mar-22

Client: GHD

Surr: BFB

**Project:** Jackson AT Battery

 Sample ID: Ics-65691
 SampType: LCS
 TestCode: EPA Method 8015D: Gasoline Range

 Client ID: LCSS
 Batch ID: 65691
 RunNo: 86012

 Prep Date: 2/21/2022
 Analysis Date: 2/22/2022
 SeqNo: 3030314
 Units: mg/Kg

SPK value SPK Ref Val Analyte Result PQL %REC LowLimit HighLimit %RPD Gasoline Range Organics (GRO) 30 5.0 25.00 Λ 121 78.6 131 Surr: BFB 1200 1000 122 130

Sample ID: mb-65691 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65691 RunNo: 86012

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3030315 Units: mg/Kg

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

116

70

130

130

Units: mq/Kq

Sample ID: Ics-65695 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

1000

Client ID: LCSS Batch ID: 65695 RunNo: 86012

1200

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3030338 Units: mg/Kg

SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) 27 5.0 25.00 0 109 78.6 131 Surr: BFB 1200 1000 122 70 130

Sample ID: mb-65695 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range
Client ID: PBS Batch ID: 65695 RunNo: 86012

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3030339 Units: mg/Kg

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

Surr: BFB 1100 1000 108 70

Sample ID: 2202943-004ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range
Client ID: BH-104 Batch ID: 65695 RunNo: 86012

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3030341

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

 Gasoline Range Organics (GRO)
 30
 4.9
 24.51
 0
 124
 70
 130

 Surr: BFB
 1200
 980.4
 120
 70
 130

Sample ID: 2202943-004amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-104** Batch ID: **65695** RunNo: **86012** 

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3030342 Units: mg/Kg

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

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202943** 

08-Mar-22

Client: GHD

**Project:** Jackson AT Battery

Sample ID: 2202943-004amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-104** Batch ID: **65695** RunNo: **86012** 

Prep Date: 2/21/2022 Analysis Date: 2/22/2022 SeqNo: 3030342 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual 0 20 Gasoline Range Organics (GRO) 29 4.9 24.49 117 70 130 6.27 Surr: BFB 1200 979.4 124 70 130 0 0

#### Qualifiers:

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202943** *08-Mar-22* 

Client: GHD

**Project:** Jackson AT Battery

Sample ID: Ics-65691	SampT	ype: <b>LC</b>	S	Tes	tCode: El	iles				
Client ID: LCSS	Batcl	h ID: <b>65</b> 6	691	F	RunNo: 80	6012				
Prep Date: 2/21/2022	Analysis D	Date: <b>2/</b> 2	22/2022	9	SeqNo: 30	030371	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.8	80	120			
Toluene	0.99	0.050	1.000	0	98.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.7	80	120			
Xylenes, Total	3.0				0 99.5 8					
Surr: 4-Bromofluorobenzene	0.96				96.1	70	130			

Sample ID: <b>mb-65691</b>	Sampl	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batch	n ID: <b>65</b> 0	691	R	RunNo: 8	6012				
Prep Date: 2/21/2022	Analysis D	ate: <b>2/</b>	22/2022	S	SeqNo: 3	030372	Units: mg/K	g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.1	70	130			

Sample ID: Ics-65695	Sampl	ype: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: LCSS	Batcl	n ID: <b>65</b> 6	695	F	RunNo: 8	6012				
Prep Date: 2/21/2022	Analysis D	Date: <b>2/</b> 2	22/2022	9	SeqNo: 3	030395	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.0	80	120			
Toluene	0.94	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.8	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.7	70	130			

Sample ID: <b>mb-65695</b>	SampT	уре: МЕ	BLK	Tes	tCode: El	iles							
Client ID: PBS	Batch	n ID: <b>65</b> 0	695	F	RunNo: 8	6012							
Prep Date: 2/21/2022	Analysis D	Analysis Date: 2/22/2022			SeqNo: 3	030396	Units: mg/k	: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	ND	0.025											
Toluene	ND	0.050											
Ethylbenzene	ND	0.050											
Xylenes, Total	ND	0.10											
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2202943** 

08-Mar-22

Client: GHD

**Project:** Jackson AT Battery

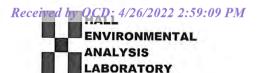
Sample ID: 2202943-005ams	Samp1	Гуре: М\$	3	Tes	tCode: El	tiles				
Client ID: BH-105	Batcl	h ID: <b>65</b> 0	695	F	RunNo: 8	6012				
Prep Date: 2/21/2022	Analysis D	Date: <b>2/</b>	22/2022	8	SeqNo: 3	030399	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93 0.024 0.9756			0	95.3	80	120			
Toluene	0.97	0.049	0.9756	0	99.5	80	120			
Ethylbenzene	0.99	0.049	0.9756	0	102	80	30 120			
Xylenes, Total	3.0	0.098	2.927	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.88		0.9756		89.8	70	130			

Sample ID: 2202943-005ams	<b>d</b> Samp∃	Гуре: М\$	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: BH-105	Batc	h ID: <b>65</b>	695	F	RunNo: 8	6012				
Prep Date: 2/21/2022	Analysis [	Date: <b>2/</b>	22/2022	\$	SeqNo: 3	030400	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9872	0	90.9	80	120	3.50	20	
Toluene	0.93	0.049	0.9872	0	94.1	80	120	4.47	20	
Ethylbenzene	0.95	0.049	0.9872	0	96.4	80	120	4.49	20	
Xylenes, Total	2.9	0.099	2.962	0	96.6	80	120	4.45	20	
Surr: 4-Bromofluorobenzene	0.91		0.9872		92.0	70	130	0	0	

#### Qualifiers:

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

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

# Sample Log-In Check List

Client Name: GHD Work Order Number: 2202943 RcptNo: 1 Received By: Juan Rojas 2/19/2022 8:20:00 AM Completed By: Juan Rojas 2/19/2022 8:50:05 AM Reviewed By: 10/22 Chain of Custody 1. Is Chain of Custody complete? Yes V No Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes V NA 🗌 Were all samples received at a temperature of >0° C to 6.0°C NA 🗌 Sample(s) in proper container(s)? Yes 🗸 No \_\_ Sufficient sample volume for indicated test(s)? Yes No 7. Are samples (except VOA and ONG) properly preserved? No Yes 8. Was preservative added to bottles? Yes 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No L NA V Yes No V 10. Were any sample containers received broken? Yes # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted? 12. Are matrices correctly identified on Chain of Custody? No Yes No 🗌 13. Is it clear what analyses were requested? ~ Yes Checked by: Jin 2/79/2 14. Were all holding times able to be met? Yes 🗸 No \_\_ (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes \_ No NA V Person Notified: Date By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Temp °C Condition Seal Intact Seal No Seal Date Signed By 1 1.7 Good

Page 1 of 1

2

2.0

Good

HALL ENVIRONMENTAL ANALYSIS LABORATORY		- Albuquerque NM 87400	eol /o livis de la	rax 505-345-4107	as request	Z/(Jue	)     Sq\v	P	N (A	′O/\	r, M (AC)	CRA 8	28 88 70 T	Q.					3				Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew.Laughlin@ghd.com: Along with Becky Haskell listed above.	
HAI	www	4901 Hawkins NE	Tel 505 345 30	161, 505-545-5875		s,	CB.	1) 185 F (1)	08\s .480 .40	10 q q 2 qes	15D( setici setici	\ X∃T: 08:H9 081 Pe M) 80 M) 80	8 3	2					F 4				Remarks: Please er Tom.Larson@ Matthew.Laughlin	JOE O
Time: 		ON AT ROBEN	0	2008600	06F.			Zach Comino	(X Yes □ No	2	including CF): $1.5 - 6.1 = 1.7$	Preservative HEAL No. Type		1 1 1 1	707	7015	2016	子ら	1018					redited laboratories. This serves as notice of this
Turn-Around T	Project Name	3	Project #:	5	Project Manager	Becky Haskell		L.		# of Coolers:	Cooler Temp(including CF): 1.	Container Type and #		2					4				Received by:	contracted to other acc
Chain-of-Custody Record			324 W. Main St. Suite 108, Artesia NM 88210	(505)377-4218	Becky. Haskell@ghd.com		☐ Level 4 (Full Validation)	☐ Az Compliance	□ Other			Matrix Sample Name	S BH-174	1 BH-20M	124.21		54.234	154.109	\$ CH-110			Relinquished by:	Relinquished by:	If the control of the
Client: GHD	Mailing Address:		324 W. Main St.	Phone #:	email or Fax#:	QA/QC Package:	□ Standard		□ NELAC	□ EDD (Type)		Date Time	02172, 1045	1	) III	CASA	243	1310	4 1340			Date: Time: Re	Time:	3



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

OrderNo.: 2202A41

March 08, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703 TEL: (432) 686-0086

FAX:

RE: Jackson AT Battery

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 22 sample(s) on 2/23/2022 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,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-111

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 8:30:00 AM

 Lab ID:
 2202A41-001
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1900	61	mg/Kg	20	3/1/2022 9:21:07 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/26/2022 5:36:03 AM	65777
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/26/2022 5:36:03 AM	65777
Surr: DNOP	108	51.1-141	%Rec	1	2/26/2022 5:36:03 AM	65777
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 1:01:11 AM	65765
Surr: BFB	106	70-130	%Rec	1	2/25/2022 1:01:11 AM	65765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/25/2022 1:01:11 AM	65765
Toluene	ND	0.049	mg/Kg	1	2/25/2022 1:01:11 AM	65765
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 1:01:11 AM	65765
Xylenes, Total	ND	0.098	mg/Kg	1	2/25/2022 1:01:11 AM	65765
Surr: 4-Bromofluorobenzene	99.7	70-130	%Rec	1	2/25/2022 1:01:11 AM	65765

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-112

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 8:35:00 AM

 Lab ID:
 2202A41-002
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	2200	60		mg/Kg	20	3/1/2022 9:58:20 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/26/2022 5:46:46 AM	65777
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/26/2022 5:46:46 AM	65777
Surr: DNOP	142	51.1-141	S	%Rec	1	2/26/2022 5:46:46 AM	65777
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Surr: BFB	103	70-130		%Rec	1	2/25/2022 1:24:47 AM	65765
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Toluene	ND	0.048		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	2/25/2022 1:24:47 AM	65765

Refer to the QC Summary 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
- D 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

pipe pH Not in Range
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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-113

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 9:00:00 AM

 Lab ID:
 2202A41-003
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	2300	60		mg/Kg	20	3/1/2022 10:10:44 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/26/2022 5:57:27 AM	65777
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/26/2022 5:57:27 AM	65777
Surr: DNOP	144	51.1-141	S	%Rec	1	2/26/2022 5:57:27 AM	65777
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Surr: BFB	102	70-130		%Rec	1	2/25/2022 1:48:18 AM	65765
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.025		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Toluene	ND	0.049		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	2/25/2022 1:48:18 AM	65765

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-114

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 9:10:00 AM

 Lab ID:
 2202A41-004
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2200	60	mg/Kg	20	3/1/2022 10:23:09 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/26/2022 6:08:06 AM	65777
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/26/2022 6:08:06 AM	65777
Surr: DNOP	116	51.1-141	%Rec	1	2/26/2022 6:08:06 AM	65777
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/25/2022 2:11:51 AM	65765
Surr: BFB	105	70-130	%Rec	1	2/25/2022 2:11:51 AM	65765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/25/2022 2:11:51 AM	65765
Toluene	ND	0.047	mg/Kg	1	2/25/2022 2:11:51 AM	65765
Ethylbenzene	ND	0.047	mg/Kg	1	2/25/2022 2:11:51 AM	65765
Xylenes, Total	ND	0.094	mg/Kg	1	2/25/2022 2:11:51 AM	65765
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	2/25/2022 2:11:51 AM	65765

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-19

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 9:20:00 AM

 Lab ID:
 2202A41-005
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	3/1/2022 10:35:34 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	2/26/2022 6:18:47 AM	65777
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	2/26/2022 6:18:47 AM	65777
Surr: DNOP	116	51.1-141	%Rec	1	2/26/2022 6:18:47 AM	65777
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/25/2022 2:58:53 AM	65765
Surr: BFB	105	70-130	%Rec	1	2/25/2022 2:58:53 AM	65765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/25/2022 2:58:53 AM	65765
Toluene	ND	0.050	mg/Kg	1	2/25/2022 2:58:53 AM	65765
Ethylbenzene	ND	0.050	mg/Kg	1	2/25/2022 2:58:53 AM	65765
Xylenes, Total	ND	0.099	mg/Kg	1	2/25/2022 2:58:53 AM	65765
Surr: 4-Bromofluorobenzene	99.9	70-130	%Rec	1	2/25/2022 2:58:53 AM	65765

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-20

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 9:25:00 AM

 Lab ID:
 2202A41-006
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	3/1/2022 7:00:50 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/26/2022 6:29:31 AM	65777
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/26/2022 6:29:31 AM	65777
Surr: DNOP	79.5	51.1-141	%Rec	1	2/26/2022 6:29:31 AM	65777
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/25/2022 3:22:15 AM	65765
Surr: BFB	105	70-130	%Rec	1	2/25/2022 3:22:15 AM	65765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/25/2022 3:22:15 AM	65765
Toluene	ND	0.047	mg/Kg	1	2/25/2022 3:22:15 AM	65765
Ethylbenzene	ND	0.047	mg/Kg	1	2/25/2022 3:22:15 AM	65765
Xylenes, Total	ND	0.094	mg/Kg	1	2/25/2022 3:22:15 AM	65765
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/25/2022 3:22:15 AM	65765

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-115

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 9:30:00 AM

 Lab ID:
 2202A41-007
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	1100	60		mg/Kg	20	3/1/2022 7:38:04 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	150	91		mg/Kg	10	2/28/2022 6:05:18 PM	65777
Motor Oil Range Organics (MRO)	460	450		mg/Kg	10	2/28/2022 6:05:18 PM	65777
Surr: DNOP	0	51.1-141	S	%Rec	10	2/28/2022 6:05:18 PM	65777
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Surr: BFB	104	70-130		%Rec	1	2/25/2022 3:45:35 AM	65765
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Toluene	ND	0.048		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	2/25/2022 3:45:35 AM	65765

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-116

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 9:35:00 AM

 Lab ID:
 2202A41-008
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	3/1/2022 7:50:29 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	400	8.9	mg/Kg	1	2/28/2022 7:19:40 PM	65780
Motor Oil Range Organics (MRO)	810	45	mg/Kg	1	2/28/2022 7:19:40 PM	65780
Surr: DNOP	78.7	51.1-141	%Rec	1	2/28/2022 7:19:40 PM	65780
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/25/2022 4:08:53 AM	65765
Surr: BFB	103	70-130	%Rec	1	2/25/2022 4:08:53 AM	65765
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/25/2022 4:08:53 AM	65765
Toluene	ND	0.047	mg/Kg	1	2/25/2022 4:08:53 AM	65765
Ethylbenzene	ND	0.047	mg/Kg	1	2/25/2022 4:08:53 AM	65765
Xylenes, Total	ND	0.094	mg/Kg	1	2/25/2022 4:08:53 AM	65765
Surr: 4-Bromofluorobenzene	97.2	70-130	%Rec	1	2/25/2022 4:08:53 AM	65765

Refer to the QC Summary 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

pple pH Not In Range Page 8 of 29

Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-117

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 9:50:00 AM

 Lab ID:
 2202A41-009
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	1200	60		mg/Kg	20	3/1/2022 8:02:55 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	650	98		mg/Kg	10	3/1/2022 11:26:03 PM	65780
Motor Oil Range Organics (MRO)	1500	490		mg/Kg	10	3/1/2022 11:26:03 PM	65780
Surr: DNOP	0	51.1-141	S	%Rec	10	3/1/2022 11:26:03 PM	65780
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Surr: BFB	102	70-130		%Rec	1	2/25/2022 4:32:24 AM	65765
EPA METHOD 8021B: VOLATILES						Analyst	: NSB
Benzene	ND	0.025		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Toluene	ND	0.050		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Xylenes, Total	ND	0.10		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	2/25/2022 4:32:24 AM	65765

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

Qualifiers:

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

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Date Reported: 3/8/2022

# Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-21

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 9:55:00 AM

 Lab ID:
 2202A41-010
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	3/1/2022 8:40:08 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	110	9.6	mg/Kg	1	3/2/2022 11:58:11 AM	65780
Motor Oil Range Organics (MRO)	170	48	mg/Kg	1	3/2/2022 11:58:11 AM	65780
Surr: DNOP	100	51.1-141	%Rec	1	3/2/2022 11:58:11 AM	65780
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 4:55:57 AM	65765
Surr: BFB	104	70-130	%Rec	1	2/25/2022 4:55:57 AM	65765
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	2/25/2022 4:55:57 AM	65765
Toluene	ND	0.049	mg/Kg	1	2/25/2022 4:55:57 AM	65765
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 4:55:57 AM	65765
Xylenes, Total	ND	0.099	mg/Kg	1	2/25/2022 4:55:57 AM	65765
Surr: 4-Bromofluorobenzene	98.4	70-130	%Rec	1	2/25/2022 4:55:57 AM	65765

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

Qualifiers:

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-118

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 10:05:00 AM

 Lab ID:
 2202A41-011
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	630	59	mg/Kg	20	3/1/2022 8:52:33 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/25/2022 11:39:12 PM	65780
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/25/2022 11:39:12 PM	65780
Surr: DNOP	95.6	51.1-141	%Rec	1	2/25/2022 11:39:12 PM	65780
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/25/2022 12:32:40 PM	65765
Surr: BFB	107	70-130	%Rec	1	2/25/2022 12:32:40 PM	65765
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/25/2022 12:32:40 PM	65765
Toluene	ND	0.050	mg/Kg	1	2/25/2022 12:32:40 PM	65765
Ethylbenzene	ND	0.050	mg/Kg	1	2/25/2022 12:32:40 PM	65765
Xylenes, Total	ND	0.10	mg/Kg	1	2/25/2022 12:32:40 PM	65765
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/25/2022 12:32:40 PM	65765

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-22

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 10:10:00 AM

 Lab ID:
 2202A41-012
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	380	59	mg/Kg	20	3/1/2022 9:04:58 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.6	mg/Kg	1	2/25/2022 8:26:58 PM	65789
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	2/25/2022 8:26:58 PM	65789
Surr: DNOP	122	51.1-141	%Rec	1	2/25/2022 8:26:58 PM	65789
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 2:31:15 PM	65765
Surr: BFB	110	70-130	%Rec	1	2/25/2022 2:31:15 PM	65765
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/25/2022 2:31:15 PM	65765
Toluene	ND	0.049	mg/Kg	1	2/25/2022 2:31:15 PM	65765
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 2:31:15 PM	65765
Xylenes, Total	ND	0.098	mg/Kg	1	2/25/2022 2:31:15 PM	65765
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/25/2022 2:31:15 PM	65765

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-119

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 10:30:00 AM

 Lab ID:
 2202A41-013
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	510	60		mg/Kg	20	3/1/2022 9:17:23 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	410	98		mg/Kg	10	2/28/2022 6:26:46 PM	65789
Motor Oil Range Organics (MRO)	1100	490		mg/Kg	10	2/28/2022 6:26:46 PM	65789
Surr: DNOP	0	51.1-141	S	%Rec	10	2/28/2022 6:26:46 PM	65789
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Surr: BFB	107	70-130		%Rec	1	2/25/2022 2:55:04 PM	65765
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Toluene	ND	0.049		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/25/2022 2:55:04 PM	65765

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-120

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 10:35:00 AM

 Lab ID:
 2202A41-014
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	3500	150	mg/Kg	50	3/3/2022 10:53:38 AM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	210	9.8	mg/Kg	1	2/28/2022 6:48:12 PM	65789
Motor Oil Range Organics (MRO)	140	49	mg/Kg	1	2/28/2022 6:48:12 PM	65789
Surr: DNOP	116	51.1-141	%Rec	1	2/28/2022 6:48:12 PM	65789
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/25/2022 3:18:50 PM	65765
Surr: BFB	109	70-130	%Rec	1	2/25/2022 3:18:50 PM	65765
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/25/2022 3:18:50 PM	65765
Toluene	ND	0.048	mg/Kg	1	2/25/2022 3:18:50 PM	65765
Ethylbenzene	ND	0.048	mg/Kg	1	2/25/2022 3:18:50 PM	65765
Xylenes, Total	ND	0.096	mg/Kg	1	2/25/2022 3:18:50 PM	65765
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/25/2022 3:18:50 PM	65765

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

Qualifiers:

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-121

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 10:40:00 AM

 Lab ID:
 2202A41-015
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	670	60		mg/Kg	20	3/1/2022 9:42:12 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	460	91		mg/Kg	10	2/28/2022 7:09:36 PM	65789
Motor Oil Range Organics (MRO)	970	450		mg/Kg	10	2/28/2022 7:09:36 PM	65789
Surr: DNOP	0	51.1-141	S	%Rec	10	2/28/2022 7:09:36 PM	65789
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Surr: BFB	109	70-130		%Rec	1	2/25/2022 1:23:00 AM	65767
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Toluene	ND	0.048		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	2/25/2022 1:23:00 AM	65767

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-122

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 10:45:00 AM

 Lab ID:
 2202A41-016
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	940	60		mg/Kg	20	3/1/2022 9:54:37 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/25/2022 9:09:07 PM	65789
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/25/2022 9:09:07 PM	65789
Surr: DNOP	180	51.1-141	S	%Rec	1	2/25/2022 9:09:07 PM	65789
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Surr: BFB	106	70-130		%Rec	1	2/25/2022 2:22:00 AM	65767
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Toluene	ND	0.050		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	2/25/2022 2:22:00 AM	65767

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-123

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 10:50:00 AM

 Lab ID:
 2202A41-017
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	750	61	mg/Kg	20	3/1/2022 10:07:02 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	2/25/2022 9:30:19 PM	65789
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/25/2022 9:30:19 PM	65789
Surr: DNOP	110	51.1-141	%Rec	1	2/25/2022 9:30:19 PM	65789
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/25/2022 3:21:00 AM	65767
Surr: BFB	105	70-130	%Rec	1	2/25/2022 3:21:00 AM	65767
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/25/2022 3:21:00 AM	65767
Toluene	ND	0.050	mg/Kg	1	2/25/2022 3:21:00 AM	65767
Ethylbenzene	ND	0.050	mg/Kg	1	2/25/2022 3:21:00 AM	65767
Xylenes, Total	ND	0.099	mg/Kg	1	2/25/2022 3:21:00 AM	65767
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	2/25/2022 3:21:00 AM	65767

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-124

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 10:55:00 AM

 Lab ID:
 2202A41-018
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: JMT
Chloride	2200	150		mg/Kg	50	3/2/2022 2:03:24 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS					Analyst	: SB
Diesel Range Organics (DRO)	810	91		mg/Kg	10	2/25/2022 9:40:59 PM	65789
Motor Oil Range Organics (MRO)	510	450		mg/Kg	10	2/25/2022 9:40:59 PM	65789
Surr: DNOP	0	51.1-141	S	%Rec	10	2/25/2022 9:40:59 PM	65789
EPA METHOD 8015D: GASOLINE RANGE						Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Surr: BFB	102	70-130		%Rec	1	2/25/2022 3:40:00 AM	65767
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Toluene	ND	0.049		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	2/25/2022 3:40:00 AM	65767

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-125

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 11:00:00 AM

 Lab ID:
 2202A41-019
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	770	59	mg/Kg	20	3/1/2022 10:31:51 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	26	9.7	mg/Kg	1	3/1/2022 11:57:46 PM	65789
Motor Oil Range Organics (MRO)	89	49	mg/Kg	1	3/1/2022 11:57:46 PM	65789
Surr: DNOP	116	51.1-141	%Rec	1	3/1/2022 11:57:46 PM	65789
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 4:00:00 AM	65767
Surr: BFB	102	70-130	%Rec	1	2/25/2022 4:00:00 AM	65767
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/25/2022 4:00:00 AM	65767
Toluene	ND	0.049	mg/Kg	1	2/25/2022 4:00:00 AM	65767
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 4:00:00 AM	65767
Xylenes, Total	ND	0.099	mg/Kg	1	2/25/2022 4:00:00 AM	65767
Surr: 4-Bromofluorobenzene	89.3	70-130	%Rec	1	2/25/2022 4:00:00 AM	65767

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

Qualifiers:

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-126

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 11:05:00 AM

 Lab ID:
 2202A41-020
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	250	60	mg/Kg	20	3/1/2022 11:09:06 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	14	9.7	mg/Kg	1	3/2/2022 10:46:13 AM	65789
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/2/2022 10:46:13 AM	65789
Surr: DNOP	104	51.1-141	%Rec	1	3/2/2022 10:46:13 AM	65789
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 4:20:00 AM	65767
Surr: BFB	106	70-130	%Rec	1	2/25/2022 4:20:00 AM	65767
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/25/2022 4:20:00 AM	65767
Toluene	ND	0.049	mg/Kg	1	2/25/2022 4:20:00 AM	65767
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 4:20:00 AM	65767
Xylenes, Total	ND	0.099	mg/Kg	1	2/25/2022 4:20:00 AM	65767
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	2/25/2022 4:20:00 AM	65767

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-127

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 11:10:00 AM

 Lab ID:
 2202A41-021
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: ЈМТ
Chloride	470	60	mg/Kg	20	3/1/2022 11:21:31 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	14	9.9	mg/Kg	1	2/28/2022 7:30:58 PM	65789
Motor Oil Range Organics (MRO)	52	49	mg/Kg	1	2/28/2022 7:30:58 PM	65789
Surr: DNOP	125	51.1-141	%Rec	1	2/28/2022 7:30:58 PM	65789
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 4:39:00 AM	65767
Surr: BFB	106	70-130	%Rec	1	2/25/2022 4:39:00 AM	65767
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/25/2022 4:39:00 AM	65767
Toluene	ND	0.049	mg/Kg	1	2/25/2022 4:39:00 AM	65767
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 4:39:00 AM	65767
Xylenes, Total	ND	0.098	mg/Kg	1	2/25/2022 4:39:00 AM	65767
Surr: 4-Bromofluorobenzene	91.3	70-130	%Rec	1	2/25/2022 4:39:00 AM	65767

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

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Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-23

 Project:
 Jackson AT Battery
 Collection Date: 2/18/2022 11:30:00 AM

 Lab ID:
 2202A41-022
 Matrix: SOIL
 Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	ND	60	mg/Kg	20	3/1/2022 11:33:55 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/25/2022 10:24:06 PM	65789
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/25/2022 10:24:06 PM	65789
Surr: DNOP	110	51.1-141	%Rec	1	2/25/2022 10:24:06 PM	65789
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 4:59:00 AM	65767
Surr: BFB	104	70-130	%Rec	1	2/25/2022 4:59:00 AM	65767
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/25/2022 4:59:00 AM	65767
Toluene	ND	0.049	mg/Kg	1	2/25/2022 4:59:00 AM	65767
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 4:59:00 AM	65767
Xylenes, Total	ND	0.098	mg/Kg	1	2/25/2022 4:59:00 AM	65767
Surr: 4-Bromofluorobenzene	92.3	70-130	%Rec	1	2/25/2022 4:59:00 AM	65767

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

Qualifiers:

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A41** 

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65877 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65877 RunNo: 86175

Prep Date: 3/1/2022 Analysis Date: 3/1/2022 SeqNo: 3037341 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65877 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65877 RunNo: 86175

Prep Date: 3/1/2022 Analysis Date: 3/1/2022 SeqNo: 3037343 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 94.0 90 110

Sample ID: MB-65882 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65882 RunNo: 86158

Prep Date: 3/1/2022 Analysis Date: 3/1/2022 SeqNo: 3037786 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65882 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65882 RunNo: 86158

Prep Date: 3/1/2022 Analysis Date: 3/1/2022 SeqNo: 3037787 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 90.5 90 110

Sample ID: MB-65877 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65877 RunNo: 86214

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038866 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65877 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65877 RunNo: 86214

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038867 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.2 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A41** *08-Mar-22* 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65789	SampType: LCS	Te	TestCode: EPA Method 8015M/D: Diesel Range Organics					
Client ID: LCSS	Batch ID: 65789		RunNo: <b>86063</b>					
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	!	SeqNo: <b>3033150</b>	Units: mg/Kg				
Analyte	Result PQL SPK v	alue SPK Ref Val	%REC LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	54 10 5	0.00 0	108 68.9	135				
Surr: DNOP	5.0 5	.000	101 51.1	141				
Sample ID: MB-65789	SampType: MBLK	Te	stCode: EPA Method	1 8015M/D: Die	esel Rang	e Organics		
Client ID: PBS	Batch ID: 65789		RunNo: <b>86063</b>					
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	!	SeqNo: <b>3033151</b>	Units: mg/k	ίg			
Analyte	Result POI SPK v	alue SPK Ref Val	%RFC LowLimit	Highl imit	%RPD	RPDI imit	Qual	

Analyte	Result	PQL	SPK value	SPK Rei vai	%REC	LOWLIMIT	HighLimit	%RPD	RPDLIMIT	Quai
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	51.1	141			
Sample ID: <b>2202A41-012AMS</b>	SampT	ype: MS		Test	tCode: EF	PA Method 8	8015M/D: Die	esel Range	organics	

Client ID: SW-22	Batch	ID: <b>65</b>	789	F	RunNo: <b>86122</b>					
Prep Date: 2/24/2022	Analysis Da	ate: <b>2/</b>	26/2022	8	034532	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.1	45.58	5.058	90.2	39.3	155			
Surr: DNOP	4.3		4.558		93.5	51.1	141			

Sample ID: 2202A41-012AMSI	SampT	ype: <b>MS</b>	SD	Test	Code: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: SW-22	Batch	ID: <b>65</b>	789	R	unNo: 80	6122				
Prep Date: 2/24/2022	Analysis D	ate: <b>2/</b>	26/2022	SeqNo: <b>3034533</b>			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	9.3	46.73	5.058	101	39.3	155	12.3	23.4	
Surr: DNOP	4.9		4.673		105	51.1	141	0	0	

Sample ID: LCS-65777	SampT	ype: <b>LC</b>	S	Tes	TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch	ID: <b>65</b>	777	F	RunNo: 8	6122					
Prep Date: 2/24/2022	Analysis D	ate: 2/	25/2022	8	SeqNo: 3034562			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	68.9	135				
Surr: DNOP	4.2		5.000		84.1	51.1	141				

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: 2202A41

08-Mar-22

Project:	Jackson AT Battery
Client:	GHD Midland

Sample ID: LCS-65780	SampT	SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch	h ID: <b>65</b> 7	780	F	RunNo: 80	6122				
Prep Date: 2/24/2022	Analysis D	)ate: <b>2/</b>	25/2022	S	SeqNo: 30	034563	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.2	68.9	135			
Surr: DNOP	4.0		5.000		80.6	51.1	141			
Sample ID: MB-65777	SampT	Гуре: МЕ	BLK	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Die	esel Rango	e Organics	
Client ID: PBS	Batch	h ID: <b>65</b> 7	777	F	RunNo: 80	6122				
Prep Date: 2/24/2022	Analysis D	)ate: <b>2/</b>	25/2022	8	SeqNo: 30	034564	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.9	51.1	141			
Sample ID: MB-65780	SampT	Гуре: МЕ	BLK	Tes	tCode: EF	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: PBS	Batch	h ID: <b>65</b> 7	780	F	RunNo: 80	6122				
Prep Date: 2/24/2022	Analysis D	)ate: <b>2/</b>	25/2022	8	SeqNo: 30	034565	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP			40.00							
	8.8		10.00		87.9	51.1	141			
Sample ID: <b>2202A41-008AM</b> \$		Гуре: МЅ		Tes			141 <b>8015M/D: Di</b>	esel Rang	e Organics	
Sample ID: <b>2202A41-008AMS</b> Client ID: <b>BH-116</b>	<b>S</b> SampT	Гуре: <b>МS</b> h ID: <b>65</b> 7	<u> </u>			PA Method		esel Rango	e Organics	
•	<b>S</b> SampT	h ID: <b>65</b> 7	780	F	tCode: EF	PA Method			e Organics	
Client ID: BH-116	S SampT Batch	h ID: <b>65</b> 7	780 28/2022	F	tCode: EF	PA Method	8015M/D: Did		e Organics RPDLimit	Qual
Client ID: <b>BH-116</b> Prep Date: <b>2/24/2022</b>	S SampT Batch Analysis D	h ID: <b>65</b> 7 Date: <b>2/</b> 2	780 28/2022	F S	tCode: ER RunNo: 80 SeqNo: 30	PA Method 6131 036297	<b>8015M/D: Di</b> d	(g	•	Qual
Client ID: BH-116 Prep Date: 2/24/2022 Analyte	S SampT Batch Analysis D Result	h ID: <b>65</b> 7 Date: <b>2/</b> 3	5 780 28/2022 SPK value	SPK Ref Val	tCode: ER RunNo: 86 GeqNo: 36 %REC	PA Method 6131 036297 LowLimit	8015M/D: Did Units: mg/k	(g	•	Qual
Client ID: BH-116 Prep Date: 2/24/2022 Analyte Diesel Range Organics (DRO)	S SampT Batch Analysis D Result 470 3.6	h ID: <b>65</b> 7 Date: <b>2/</b> 3	SPK value 48.17 4.817	SPK Ref Val 403.2	RunNo: 86 SeqNo: 36 %REC 148 74.4	PA Method 6131 036297 LowLimit 39.3 51.1	8015M/D: Die Units: mg/k HighLimit 155	K <b>g</b> %RPD	RPDLimit	Qual

#### Qualifiers:

Analyte

Surr: DNOP

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

Prep Date: 2/24/2022

Diesel Range Organics (DRO)

- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference

Analysis Date: 2/28/2022

PQL

9.7

Result

410

3.2

Analyte detected in the associated Method Blank

SeqNo: 3036298

20.2

66.6

LowLimit

39.3

51.1

Units: mg/Kg

155

141

%RPD

13.8

0

HighLimit

Estimated value

SPK value SPK Ref Val %REC

403.2

48.31

4.831

- Analyte detected below quantitation limits
- Sample pH Not In Range
- RL Reporting Limit

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**RPDLimit** 

23.4

0

Qual

S

#### Hall Environmental Analysis Laboratory, Inc.

WO#: 2202A41

08-Mar-22

**Client:** GHD Midland **Project:** Jackson AT Battery

Sample ID: mb-65765 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 65765 RunNo: 86074 Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032804 Units: mg/Kg SPK value SPK Ref Val %REC **RPDLimit** Analyte Result PQL LowLimit HighLimit %RPD Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 1100 1000 108 70 130

Sample ID: Ics-65765 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 65765 RunNo: 86074

Prep Date: 2/23/2022 Analysis Date: 2/24/2022 SeqNo: 3032805

Units: mg/Kg HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 26 5.0 25.00 O 103 78.6 131

Surr: BFB 1200 1000 119 70 130

Sample ID: Ics-65767 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 65767 RunNo: 86093 Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SeqNo: 3033506 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI LowLimit HighLimit Qual Gasoline Range Organics (GRO) 29 5.0 25.00 0 115 78.6 131 Surr: BFB 1200 1000 119 70 130

Sample ID: mb-65767 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 65767 RunNo: 86093 Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SeqNo: 3033507 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Result PQL LowLimit HighLimit Qual Gasoline Range Organics (GRO) ND 5.0 Surr: BFB 1100 1000 112 70 130

Sample ID: 2202a41-015ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: BH-121 Batch ID: 65767 RunNo: 86093 Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SeqNo: 3033509 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 30 4.9 0 123 70 24.37 130 Surr: BFB 1200 974.7 122 70 130

Sample ID: 2202a41-015amsd TestCode: EPA Method 8015D: Gasoline Range SampType: MSD

Client ID: BH-121 Batch ID: 65767 RunNo: 86093

Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SeqNo: 3033510 Units: mg/Kg

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

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A41** *08-Mar-22* 

Qual

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202a41-015amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-121** Batch ID: **65767** RunNo: **86093** 

Prep Date: 2/23/2022 Analysis Date: 2/25/2022 SeqNo: 3033510 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** 0 9.65 20 Gasoline Range Organics (GRO) 27 5.0 24.78 110 70 130 Surr: BFB 1200 991.1 118 70 130 0 0

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A41** *08-Mar-22* 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65765		ype: ME			tCode: EF	iles				
Client ID: PBS Prep Date: 2/23/2022			65765 RunNo: 86074 2/24/2022 SeqNo: 3032858				Units: mg/K	·~		
F1ep Date. 2/23/2022	Allalysis L	ale. <b>2</b>	24/2022		eqino. 3	J32030	Offics. Hig/K	y		
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: LCS-65765	SampT	ype: <b>LC</b>	S	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batch	n ID: <b>65</b> 7	765	F	RunNo: 80	6074				
Prep Date: 2/23/2022	Analysis D	Date: <b>2/</b> 2	24/2022	S	SeqNo: 30	032859	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.3	80	120			_
Toluene	0.90	0.050	1.000	0	90.5	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: Ics-65767	SampT	ype: <b>LC</b>	S	Tes	tCode: El	EPA Method 8021B: Volatiles					
Client ID: LCSS	Batcl	n ID: <b>65</b> 7	767	F	RunNo: 80	6093					
Prep Date: 2/23/2022	Analysis D	oate: <b>2/</b> 2	: 2/25/2022 SeqNo: 3033704 Units: mg/l								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	0.96	0.025	1.000	0	95.8	80	120				
Toluene	0.97	0.050	1.000	0	97.3	80	120				
Ethylbenzene	0.98	0.050	1.000	0	98.4	80	120				
Xylenes, Total	2.9	0.10	3.000	0	98.3	80	120				
Surr: 4-Bromofluorobenzene	0.94		1.000		93.8	70	130				

Sample ID: <b>mb-65767</b>	SampT	уре: МЕ	BLK	TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch	n ID: <b>65</b> 7	767	F	lunNo: 8	6093				
Prep Date: 2/23/2022	Analysis D	oate: <b>2/</b> 2	25/2022	SeqNo: 3033705 Units: mg/Kg				(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.2	70	130			

#### Qualifiers:

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

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### Hall Environmental Analysis Laboratory, Inc.

WO#: **2202A41** 

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202a41-016ams	SampT	Гуре: <b>М</b> S	3	Tes	tCode: El	iles				
Client ID: BH-122	Batcl	h ID: <b>65</b> 7	767	F	RunNo: 80	6093				
Prep Date: 2/23/2022	Analysis D	Date: <b>2/</b>	25/2022	S	SeqNo: 30	033708	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9960	0	104	80	120			
Toluene	1.1	0.050	0.9960	0	107	80	120			
Ethylbenzene	1.1	0.050	0.9960	0	109	80	120			
Xylenes, Total	3.2	0.10	2.988	0	108	80	120			
Surr: 4-Bromofluorobenzene	0.93		0.9960		93.1	70	130			

Sample ID: 2202a41-016ams	<b>d</b> Samp⁻	Гуре: М\$	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: BH-122	Batc	h ID: 65	767	F	RunNo: 8	6093				
Prep Date: 2/23/2022	Analysis [	Date: 2/	25/2022	\$	SeqNo: 3	033709	Units: mg/K	ίg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9766	0	104	80	120	1.86	20	
Toluene	1.1	0.049	0.9766	0	108	80	120	0.956	20	
Ethylbenzene	1.1	0.049	0.9766	0	110	80	120	0.988	20	
Xylenes, Total	3.2	0.098	2.930	0	110	80	120	0.261	20	
Surr: 4-Bromofluorobenzene	0.92		0.9766		93.9	70	130	0	0	

#### Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

### Sample Log-In Check List

Client Name: **GHD Midland** Work Order Number: 2202A41 RcptNo: 1 Chul Salzot Received By: Cheyenne Cason 2/23/2022 7:45:00 AM Completed By: Sean Livingston 2/23/2022 8:27:58 AM 2/23/22 Reviewed By: TO Chain of Custody 1. Is Chain of Custody complete? Yes V Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? No 🗍 Yes V NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes V NA 🗌 5. Sample(s) in proper container(s)? No 🗌 Yes V 6. Sufficient sample volume for indicated test(s)? Yes 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? No 🗌 Yes V 8. Was preservative added to bottles? No V Yes 🗌 NA L 9. Received at least 1 vial with headspace <1/4" for AQ VOA? No 🗌 NA V Yes 10. Were any sample containers received broken? Yes No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes 🗸 No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) Adjusted 12. Are matrices correctly identified on Chain of Custody? Yes V No 🗌 13. Is it clear what analyses were requested? No 🗌 Yes V Checked by: KPG 2/23/22 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date: By Whom: Via: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No. Temp °C Condition Seal Intact Seal No Seal Date Signed By 1.0 Good 2 2.3 Good

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

March 08, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Jackson AT Battery OrderNo.: 2202B29

#### Dear Tom Larson:

Hall Environmental Analysis Laboratory received 26 sample(s) on 2/24/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-128

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 8:00:00 AM

 Lab ID:
 2202B29-001
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1400	60	mg/Kg	20	3/2/2022 1:51:00 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	160	9.2	mg/Kg	1	3/2/2022 2:15:08 AM	65806
Motor Oil Range Organics (MRO)	280	46	mg/Kg	1	3/2/2022 2:15:08 AM	65806
Surr: DNOP	85.7	51.1-141	%Rec	1	3/2/2022 2:15:08 AM	65806
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/25/2022 7:47:00 PM	65784
Surr: BFB	108	70-130	%Rec	1	2/25/2022 7:47:00 PM	65784
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/25/2022 7:47:00 PM	65784
Toluene	ND	0.048	mg/Kg	1	2/25/2022 7:47:00 PM	65784
Ethylbenzene	ND	0.048	mg/Kg	1	2/25/2022 7:47:00 PM	65784
Xylenes, Total	ND	0.096	mg/Kg	1	2/25/2022 7:47:00 PM	65784
Surr: 4-Bromofluorobenzene	94.0	70-130	%Rec	1	2/25/2022 7:47:00 PM	65784

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-129

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 8:05:00 AM

 Lab ID:
 2202B29-002
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst	: LRN
Chloride	2400	150		mg/Kg	50	3/3/2022 12:20:27 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analyst	: SB
Diesel Range Organics (DRO)	130	92		mg/Kg	10	3/2/2022 3:28:08 AM	65806
Motor Oil Range Organics (MRO)	730	460		mg/Kg	10	3/2/2022 3:28:08 AM	65806
Surr: DNOP	0	51.1-141	S	%Rec	10	3/2/2022 3:28:08 AM	65806
EPA METHOD 8015D: GASOLINE RANGE						Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Surr: BFB	107	70-130		%Rec	1	2/25/2022 8:06:00 PM	65784
EPA METHOD 8021B: VOLATILES						Analyst	: RAA
Benzene	ND	0.023		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Toluene	ND	0.046		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Ethylbenzene	ND	0.046		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Xylenes, Total	ND	0.092		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	2/25/2022 8:06:00 PM	65784

Refer to the QC Summary 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 33

Lab Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-130

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 8:10:00 AM

 Lab ID:
 2202B29-003
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1900	61	mg/Kg	20	3/2/2022 3:17:50 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	150	50	mg/Kg	5	3/2/2022 6:15:51 PM	65806
Motor Oil Range Organics (MRO)	440	250	mg/Kg	5	3/2/2022 6:15:51 PM	65806
Surr: DNOP	87.6	51.1-141	%Rec	5	3/2/2022 6:15:51 PM	65806
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 8:26:00 PM	65784
Surr: BFB	109	70-130	%Rec	1	2/25/2022 8:26:00 PM	65784
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/25/2022 8:26:00 PM	65784
Toluene	ND	0.049	mg/Kg	1	2/25/2022 8:26:00 PM	65784
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 8:26:00 PM	65784
Xylenes, Total	ND	0.097	mg/Kg	1	2/25/2022 8:26:00 PM	65784
Surr: 4-Bromofluorobenzene	92.5	70-130	%Rec	1	2/25/2022 8:26:00 PM	65784

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-131

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 8:15:00 AM

 Lab ID:
 2202B29-004
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	500	60	mg/Kg	20	3/2/2022 3:30:15 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	130	48	mg/Kg	5	3/2/2022 6:48:08 PM	65806
Motor Oil Range Organics (MRO)	470	240	mg/Kg	5	3/2/2022 6:48:08 PM	65806
Surr: DNOP	74.6	51.1-141	%Rec	5	3/2/2022 6:48:08 PM	65806
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/25/2022 8:46:00 PM	65784
Surr: BFB	108	70-130	%Rec	1	2/25/2022 8:46:00 PM	65784
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/25/2022 8:46:00 PM	65784
Toluene	ND	0.048	mg/Kg	1	2/25/2022 8:46:00 PM	65784
Ethylbenzene	ND	0.048	mg/Kg	1	2/25/2022 8:46:00 PM	65784
Xylenes, Total	ND	0.097	mg/Kg	1	2/25/2022 8:46:00 PM	65784
Surr: 4-Bromofluorobenzene	91.3	70-130	%Rec	1	2/25/2022 8:46:00 PM	65784

Refer to the QC Summary 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 Order **2202B29** 

#### Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-132

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 8:20:00 AM

 Lab ID:
 2202B29-005
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	660	60	mg/Kg	20	3/2/2022 3:42:39 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	2/28/2022 1:36:50 PM	65806
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	2/28/2022 1:36:50 PM	65806
Surr: DNOP	101	51.1-141	%Rec	1	2/28/2022 1:36:50 PM	65806
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/25/2022 9:06:00 PM	65784
Surr: BFB	107	70-130	%Rec	1	2/25/2022 9:06:00 PM	65784
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/25/2022 9:06:00 PM	65784
Toluene	ND	0.047	mg/Kg	1	2/25/2022 9:06:00 PM	65784
Ethylbenzene	ND	0.047	mg/Kg	1	2/25/2022 9:06:00 PM	65784
Xylenes, Total	ND	0.095	mg/Kg	1	2/25/2022 9:06:00 PM	65784
Surr: 4-Bromofluorobenzene	93.1	70-130	%Rec	1	2/25/2022 9:06:00 PM	65784

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-133

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 9:00:00 AM

 Lab ID:
 2202B29-006
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1500	60	mg/Kg	20	3/2/2022 3:55:04 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	2/28/2022 2:01:15 PM	65806
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	2/28/2022 2:01:15 PM	65806
Surr: DNOP	106	51.1-141	%Rec	1	2/28/2022 2:01:15 PM	65806
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/25/2022 9:26:00 PM	65784
Surr: BFB	103	70-130	%Rec	1	2/25/2022 9:26:00 PM	65784
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/25/2022 9:26:00 PM	65784
Toluene	ND	0.049	mg/Kg	1	2/25/2022 9:26:00 PM	65784
Ethylbenzene	ND	0.049	mg/Kg	1	2/25/2022 9:26:00 PM	65784
Xylenes, Total	ND	0.098	mg/Kg	1	2/25/2022 9:26:00 PM	65784
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	2/25/2022 9:26:00 PM	65784

Refer to the QC Summary 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 Order 2202B29

## Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/8/2022

CLIENT: GHD Midland Client Sample ID: BH-134

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 9:05:00 AM

 Lab ID:
 2202B29-007
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2000	60	mg/Kg	20	3/2/2022 4:07:28 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	2/28/2022 2:25:42 PM	65806
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/28/2022 2:25:42 PM	65806
Surr: DNOP	107	51.1-141	%Rec	1	2/28/2022 2:25:42 PM	65806
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/25/2022 9:45:00 PM	65784
Surr: BFB	105	70-130	%Rec	1	2/25/2022 9:45:00 PM	65784
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	2/25/2022 9:45:00 PM	65784
Toluene	ND	0.047	mg/Kg	1	2/25/2022 9:45:00 PM	65784
Ethylbenzene	ND	0.047	mg/Kg	1	2/25/2022 9:45:00 PM	65784
Xylenes, Total	ND	0.093	mg/Kg	1	2/25/2022 9:45:00 PM	65784
Surr: 4-Bromofluorobenzene	90.2	70-130	%Rec	1	2/25/2022 9:45:00 PM	65784

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-135

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 9:10:00 AM

 Lab ID:
 2202B29-008
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	2800	150	mg/Kg	50	3/3/2022 12:57:40 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	2/28/2022 2:50:13 PM	65806
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	2/28/2022 2:50:13 PM	65806
Surr: DNOP	110	51.1-141	%Rec	1	2/28/2022 2:50:13 PM	65806
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	2/25/2022 10:05:00 PM	65784
Surr: BFB	105	70-130	%Rec	1	2/25/2022 10:05:00 PM	65784
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	2/25/2022 10:05:00 PM	65784
Toluene	ND	0.046	mg/Kg	1	2/25/2022 10:05:00 PM	65784
Ethylbenzene	ND	0.046	mg/Kg	1	2/25/2022 10:05:00 PM	65784
Xylenes, Total	ND	0.092	mg/Kg	1	2/25/2022 10:05:00 PM	65784
Surr: 4-Bromofluorobenzene	89.3	70-130	%Rec	1	2/25/2022 10:05:00 PM	65784

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

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**CLIENT:** GHD Midland

#### **Analytical Report**

Lab Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-136

**Project:** Jackson AT Battery **Collection Date:** 2/22/2022 9:15:00 AM

**Lab ID:** 2202B29-009 **Matrix:** SOIL **Received Date:** 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	2100	60	mg/Kg	20	3/2/2022 4:32:17 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/1/2022 9:51:07 AM	65799
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 9:51:07 AM	65799
Surr: DNOP	110	51.1-141	%Rec	1	3/1/2022 9:51:07 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/26/2022 12:23:00 AM	65786
Surr: BFB	104	70-130	%Rec	1	2/26/2022 12:23:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/26/2022 12:23:00 AM	65786
Toluene	ND	0.049	mg/Kg	1	2/26/2022 12:23:00 AM	65786
Ethylbenzene	ND	0.049	mg/Kg	1	2/26/2022 12:23:00 AM	65786
Xylenes, Total	ND	0.099	mg/Kg	1	2/26/2022 12:23:00 AM	65786
Surr: 4-Bromofluorobenzene	90.3	70-130	%Rec	1	2/26/2022 12:23:00 AM	65786

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

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Lab Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-137

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 9:20:00 AM

 Lab ID:
 2202B29-010
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	860	61	mg/Kg	20	3/2/2022 5:34:19 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/1/2022 10:01:57 AM	65799
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 10:01:57 AM	65799
Surr: DNOP	95.7	51.1-141	%Rec	1	3/1/2022 10:01:57 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/26/2022 1:22:00 AM	65786
Surr: BFB	103	70-130	%Rec	1	2/26/2022 1:22:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 1:22:00 AM	65786
Toluene	ND	0.047	mg/Kg	1	2/26/2022 1:22:00 AM	65786
Ethylbenzene	ND	0.047	mg/Kg	1	2/26/2022 1:22:00 AM	65786
Xylenes, Total	ND	0.095	mg/Kg	1	2/26/2022 1:22:00 AM	65786
Surr: 4-Bromofluorobenzene	87.6	70-130	%Rec	1	2/26/2022 1:22:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-138

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 9:25:00 AM

 Lab ID:
 2202B29-011
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1200	60	mg/Kg	20	3/2/2022 5:46:43 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS					Analyst	: SB
Diesel Range Organics (DRO)	30	9.2	mg/Kg	1	3/2/2022 3:59:21 AM	65799
Motor Oil Range Organics (MRO)	150	46	mg/Kg	1	3/2/2022 3:59:21 AM	65799
Surr: DNOP	97.0	51.1-141	%Rec	1	3/2/2022 3:59:21 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/26/2022 2:21:00 AM	65786
Surr: BFB	107	70-130	%Rec	1	2/26/2022 2:21:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 2:21:00 AM	65786
Toluene	ND	0.049	mg/Kg	1	2/26/2022 2:21:00 AM	65786
Ethylbenzene	ND	0.049	mg/Kg	1	2/26/2022 2:21:00 AM	65786
Xylenes, Total	ND	0.097	mg/Kg	1	2/26/2022 2:21:00 AM	65786
Surr: 4-Bromofluorobenzene	89.4	70-130	%Rec	1	2/26/2022 2:21:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-139

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 9:30:00 AM

 Lab ID:
 2202B29-012
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1600	59	mg/Kg	20	3/2/2022 5:59:07 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	120	44	mg/Kg	5	3/2/2022 4:20:12 AM	65799
Motor Oil Range Organics (MRO)	540	220	mg/Kg	5	3/2/2022 4:20:12 AM	65799
Surr: DNOP	74.8	51.1-141	%Rec	5	3/2/2022 4:20:12 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/26/2022 2:40:00 AM	65786
Surr: BFB	109	70-130	%Rec	1	2/26/2022 2:40:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 2:40:00 AM	65786
Toluene	ND	0.048	mg/Kg	1	2/26/2022 2:40:00 AM	65786
Ethylbenzene	ND	0.048	mg/Kg	1	2/26/2022 2:40:00 AM	65786
Xylenes, Total	ND	0.096	mg/Kg	1	2/26/2022 2:40:00 AM	65786
Surr: 4-Bromofluorobenzene	88.2	70-130	%Rec	1	2/26/2022 2:40:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

### Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-140

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 10:00:00 AM

 Lab ID:
 2202B29-013
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1000	60	mg/Kg	20	3/2/2022 6:11:31 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	3/1/2022 10:34:26 AM	65799
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/1/2022 10:34:26 AM	65799
Surr: DNOP	93.9	51.1-141	%Rec	1	3/1/2022 10:34:26 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/26/2022 3:00:00 AM	65786
Surr: BFB	105	70-130	%Rec	1	2/26/2022 3:00:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 3:00:00 AM	65786
Toluene	ND	0.048	mg/Kg	1	2/26/2022 3:00:00 AM	65786
Ethylbenzene	ND	0.048	mg/Kg	1	2/26/2022 3:00:00 AM	65786
Xylenes, Total	ND	0.096	mg/Kg	1	2/26/2022 3:00:00 AM	65786
Surr: 4-Bromofluorobenzene	89.9	70-130	%Rec	1	2/26/2022 3:00:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-141

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 10:05:00 AM

 Lab ID:
 2202B29-014
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	950	60	mg/Kg	20	3/2/2022 6:48:44 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	3/1/2022 10:45:12 AM	65799
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/1/2022 10:45:12 AM	65799
Surr: DNOP	103	51.1-141	%Rec	1	3/1/2022 10:45:12 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/26/2022 3:19:00 AM	65786
Surr: BFB	106	70-130	%Rec	1	2/26/2022 3:19:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 3:19:00 AM	65786
Toluene	ND	0.048	mg/Kg	1	2/26/2022 3:19:00 AM	65786
Ethylbenzene	ND	0.048	mg/Kg	1	2/26/2022 3:19:00 AM	65786
Xylenes, Total	ND	0.095	mg/Kg	1	2/26/2022 3:19:00 AM	65786
Surr: 4-Bromofluorobenzene	90.7	70-130	%Rec	1	2/26/2022 3:19:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-142

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 10:10:00 AM

 Lab ID:
 2202B29-015
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1100	60	mg/Kg	20	3/2/2022 7:50:47 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.9	mg/Kg	1	3/1/2022 10:56:16 AM	65799
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/1/2022 10:56:16 AM	65799
Surr: DNOP	92.4	51.1-141	%Rec	1	3/1/2022 10:56:16 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	2/26/2022 3:39:00 AM	65786
Surr: BFB	106	70-130	%Rec	1	2/26/2022 3:39:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/26/2022 3:39:00 AM	65786
Toluene	ND	0.050	mg/Kg	1	2/26/2022 3:39:00 AM	65786
Ethylbenzene	ND	0.050	mg/Kg	1	2/26/2022 3:39:00 AM	65786
Xylenes, Total	ND	0.10	mg/Kg	1	2/26/2022 3:39:00 AM	65786
Surr: 4-Bromofluorobenzene	92.1	70-130	%Rec	1	2/26/2022 3:39:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-143

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 10:15:00 AM

 Lab ID:
 2202B29-016
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1000	61	mg/Kg	20	3/2/2022 8:03:12 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/1/2022 11:07:01 AM	65799
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/1/2022 11:07:01 AM	65799
Surr: DNOP	91.4	51.1-141	%Rec	1	3/1/2022 11:07:01 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/26/2022 3:59:00 AM	65786
Surr: BFB	103	70-130	%Rec	1	2/26/2022 3:59:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	2/26/2022 3:59:00 AM	65786
Toluene	ND	0.047	mg/Kg	1	2/26/2022 3:59:00 AM	65786
Ethylbenzene	ND	0.047	mg/Kg	1	2/26/2022 3:59:00 AM	65786
Xylenes, Total	ND	0.094	mg/Kg	1	2/26/2022 3:59:00 AM	65786
Surr: 4-Bromofluorobenzene	90.0	70-130	%Rec	1	2/26/2022 3:59:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-144

**Project:** Jackson AT Battery
 Collection Date: 2/22/2022 10:20:00 AM

 **Lab ID:** 2202B29-017
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1100	60	mg/Kg	20	3/2/2022 8:15:36 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/1/2022 11:17:43 AM	65799
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 11:17:43 AM	65799
Surr: DNOP	90.6	51.1-141	%Rec	1	3/1/2022 11:17:43 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/26/2022 4:18:00 AM	65786
Surr: BFB	110	70-130	%Rec	1	2/26/2022 4:18:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 4:18:00 AM	65786
Toluene	ND	0.047	mg/Kg	1	2/26/2022 4:18:00 AM	65786
Ethylbenzene	ND	0.047	mg/Kg	1	2/26/2022 4:18:00 AM	65786
Xylenes, Total	ND	0.095	mg/Kg	1	2/26/2022 4:18:00 AM	65786
Surr: 4-Bromofluorobenzene	90.2	70-130	%Rec	1	2/26/2022 4:18:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-145

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 10:25:00 AM

 Lab ID:
 2202B29-018
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1600	60	mg/Kg	20	3/2/2022 8:28:01 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/1/2022 11:28:26 AM	65799
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 11:28:26 AM	65799
Surr: DNOP	96.8	51.1-141	%Rec	1	3/1/2022 11:28:26 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/26/2022 4:38:00 AM	65786
Surr: BFB	103	70-130	%Rec	1	2/26/2022 4:38:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 4:38:00 AM	65786
Toluene	ND	0.048	mg/Kg	1	2/26/2022 4:38:00 AM	65786
Ethylbenzene	ND	0.048	mg/Kg	1	2/26/2022 4:38:00 AM	65786
Xylenes, Total	ND	0.096	mg/Kg	1	2/26/2022 4:38:00 AM	65786
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	2/26/2022 4:38:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-146

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 11:05:00 AM

 Lab ID:
 2202B29-019
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	940	60	mg/Kg	20	3/2/2022 8:40:26 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.0	mg/Kg	1	3/1/2022 11:39:09 AM	65799
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/1/2022 11:39:09 AM	65799
Surr: DNOP	99.8	51.1-141	%Rec	1	3/1/2022 11:39:09 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/26/2022 5:36:00 AM	65786
Surr: BFB	109	70-130	%Rec	1	2/26/2022 5:36:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 5:36:00 AM	65786
Toluene	ND	0.049	mg/Kg	1	2/26/2022 5:36:00 AM	65786
Ethylbenzene	ND	0.049	mg/Kg	1	2/26/2022 5:36:00 AM	65786
Xylenes, Total	ND	0.098	mg/Kg	1	2/26/2022 5:36:00 AM	65786
Surr: 4-Bromofluorobenzene	93.6	70-130	%Rec	1	2/26/2022 5:36:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-147

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 11:10:00 AM

 Lab ID:
 2202B29-020
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	910	59	mg/Kg	20	3/2/2022 8:52:51 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	78	9.3	mg/Kg	1	3/2/2022 4:41:04 AM	65799
Motor Oil Range Organics (MRO)	120	47	mg/Kg	1	3/2/2022 4:41:04 AM	65799
Surr: DNOP	106	51.1-141	%Rec	1	3/2/2022 4:41:04 AM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/26/2022 5:56:00 AM	65786
Surr: BFB	116	70-130	%Rec	1	2/26/2022 5:56:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 5:56:00 AM	65786
Toluene	ND	0.049	mg/Kg	1	2/26/2022 5:56:00 AM	65786
Ethylbenzene	ND	0.049	mg/Kg	1	2/26/2022 5:56:00 AM	65786
Xylenes, Total	ND	0.098	mg/Kg	1	2/26/2022 5:56:00 AM	65786
Surr: 4-Bromofluorobenzene	100	70-130	%Rec	1	2/26/2022 5:56:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-148

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 11:15:00 AM

 Lab ID:
 2202B29-021
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	980	60	mg/Kg	20	3/2/2022 9:05:15 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	43	9.6	mg/Kg	1	3/2/2022 7:20:29 PM	65799
Motor Oil Range Organics (MRO)	71	48	mg/Kg	1	3/2/2022 7:20:29 PM	65799
Surr: DNOP	137	51.1-141	%Rec	1	3/2/2022 7:20:29 PM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	5	2/26/2022 6:15:00 AM	65786
Surr: BFB	112	70-130	%Rec	5	2/26/2022 6:15:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	5	2/26/2022 6:15:00 AM	65786
Toluene	ND	0.047	mg/Kg	5	2/26/2022 6:15:00 AM	65786
Ethylbenzene	ND	0.047	mg/Kg	5	2/26/2022 6:15:00 AM	65786
Xylenes, Total	ND	0.094	mg/Kg	5	2/26/2022 6:15:00 AM	65786
Surr: 4-Bromofluorobenzene	98.4	70-130	%Rec	5	2/26/2022 6:15:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-149

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 11:20:00 AM

 Lab ID:
 2202B29-022
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1300	60	mg/Kg	20	3/2/2022 9:17:39 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/1/2022 12:11:11 PM	65799
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 12:11:11 PM	65799
Surr: DNOP	89.5	51.1-141	%Rec	1	3/1/2022 12:11:11 PM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	2/26/2022 6:35:00 AM	65786
Surr: BFB	117	70-130	%Rec	1	2/26/2022 6:35:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.023	mg/Kg	1	2/26/2022 6:35:00 AM	65786
Toluene	ND	0.047	mg/Kg	1	2/26/2022 6:35:00 AM	65786
Ethylbenzene	ND	0.047	mg/Kg	1	2/26/2022 6:35:00 AM	65786
Xylenes, Total	ND	0.094	mg/Kg	1	2/26/2022 6:35:00 AM	65786
Surr: 4-Bromofluorobenzene	98.5	70-130	%Rec	1	2/26/2022 6:35:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-150

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 11:25:00 AM

 Lab ID:
 2202B29-023
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	550	60	mg/Kg	20	3/2/2022 9:54:51 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/1/2022 12:21:50 PM	65799
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 12:21:50 PM	65799
Surr: DNOP	91.7	51.1-141	%Rec	1	3/1/2022 12:21:50 PM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/26/2022 6:55:00 AM	65786
Surr: BFB	116	70-130	%Rec	1	2/26/2022 6:55:00 AM	65786
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 6:55:00 AM	65786
Toluene	ND	0.048	mg/Kg	1	2/26/2022 6:55:00 AM	65786
Ethylbenzene	ND	0.048	mg/Kg	1	2/26/2022 6:55:00 AM	65786
Xylenes, Total	ND	0.096	mg/Kg	1	2/26/2022 6:55:00 AM	65786
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/26/2022 6:55:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-24

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 1:00:00 PM

 Lab ID:
 2202B29-024
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	340	60	mg/Kg	20	3/2/2022 10:07:16 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	3/1/2022 12:32:30 PM	65799
Motor Oil Range Organics (MRO)	ND	44	mg/Kg	1	3/1/2022 12:32:30 PM	65799
Surr: DNOP	99.2	51.1-141	%Rec	1	3/1/2022 12:32:30 PM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/26/2022 7:14:00 AM	65786
Surr: BFB	120	70-130	%Rec	1	2/26/2022 7:14:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 7:14:00 AM	65786
Toluene	ND	0.048	mg/Kg	1	2/26/2022 7:14:00 AM	65786
Ethylbenzene	ND	0.048	mg/Kg	1	2/26/2022 7:14:00 AM	65786
Xylenes, Total	ND	0.097	mg/Kg	1	2/26/2022 7:14:00 AM	65786
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	2/26/2022 7:14:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

## Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/8/2022

CLIENT: GHD Midland Client Sample ID: SW-25

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 1:05:00 PM

 Lab ID:
 2202B29-025
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	200	60	mg/Kg	20	3/2/2022 10:19:40 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/1/2022 12:43:10 PM	65799
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/1/2022 12:43:10 PM	65799
Surr: DNOP	87.3	51.1-141	%Rec	1	3/1/2022 12:43:10 PM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/26/2022 7:34:00 AM	65786
Surr: BFB	117	70-130	%Rec	1	2/26/2022 7:34:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	2/26/2022 7:34:00 AM	65786
Toluene	ND	0.049	mg/Kg	1	2/26/2022 7:34:00 AM	65786
Ethylbenzene	ND	0.049	mg/Kg	1	2/26/2022 7:34:00 AM	65786
Xylenes, Total	ND	0.098	mg/Kg	1	2/26/2022 7:34:00 AM	65786
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	2/26/2022 7:34:00 AM	65786

Refer to the QC Summary 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 Order 2202B29

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-26

 Project:
 Jackson AT Battery
 Collection Date: 2/22/2022 1:10:00 PM

 Lab ID:
 2202B29-026
 Matrix: SOIL
 Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	130	61	mg/Kg	20	3/2/2022 10:32:05 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.5	mg/Kg	1	3/1/2022 12:53:49 PM	65799
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/1/2022 12:53:49 PM	65799
Surr: DNOP	84.2	51.1-141	%Rec	1	3/1/2022 12:53:49 PM	65799
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/26/2022 7:53:00 AM	65786
Surr: BFB	127	70-130	%Rec	1	2/26/2022 7:53:00 AM	65786
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	2/26/2022 7:53:00 AM	65786
Toluene	ND	0.048	mg/Kg	1	2/26/2022 7:53:00 AM	65786
Ethylbenzene	ND	0.048	mg/Kg	1	2/26/2022 7:53:00 AM	65786
Xylenes, Total	ND	0.096	mg/Kg	1	2/26/2022 7:53:00 AM	65786
Surr: 4-Bromofluorobenzene	107	70-130	%Rec	1	2/26/2022 7:53:00 AM	65786

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

Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B29** 

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65892 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65892 RunNo: 86196

Prep Date: 3/2/2022 Analysis Date: 3/2/2022 SeqNo: 3038465 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65892 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65892 RunNo: 86196

Prep Date: 3/2/2022 Analysis Date: 3/2/2022 SeqNo: 3038466 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.0 90 110

Sample ID: MB-65907 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65907 RunNo: 86196

Prep Date: 3/2/2022 Analysis Date: 3/2/2022 SeqNo: 3038501 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65907 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65907 RunNo: 86196

Prep Date: 3/2/2022 Analysis Date: 3/2/2022 SeqNo: 3038502 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.3 90 110

### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

Analysis Date: 2/28/2022

50

5.1

PQL

10

WO#: **2202B29** 

08-Mar-22

Client:	GHD M	lidland
Project:	Jackson	AT Battery
Sample ID: LCS-	65806	SampType: LCS

							_	_	
Client ID: LCSS	Batch ID:	65806	F	RunNo: 8	6130				
Prep Date: 2/25/2022	Analysis Date:	2/28/2022	8	SeqNo: 3	035171	Units: mg/k	<b>(</b> g		
Analyte	Result PQI	_ SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50 1	0 50.00	0	101	68.9	135			
Surr: DNOP	5.2	5.000		104	51.1	141			
Sample ID: <b>MB-65806</b>	SampType: I	MBLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch ID:	65806	F	RunNo: 8	6130				
Prep Date: 2/25/2022	Analysis Date:	2/28/2022	9	SeqNo: 3	035172	Units: mg/h	<b>(</b> g		
Analyte	Result PQ	_ SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1	0			•				
Motor Oil Range Organics (MRO)	ND 5	50							
Surr: DNOP	11	10.00		108	51.1	141			
Sample ID: <b>MB-65799</b>	SampType: I	MBLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch ID:	65799	F	RunNo: 8	6130				
Prep Date: 2/25/2022	Analysis Date:	2/28/2022	S	SeqNo: 3	036100	Units: mg/k	<b>(</b> g		
Analyte	Result PQ	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND 1	0			•	•			
Motor Oil Range Organics (MRO)	ND 5	50							
Surr: DNOP	11	10.00		108	51.1	141			
Sample ID: LCS-65799	SampType:	LCS	Tes	tCode: El	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch ID: (	65799	F	RunNo: 8	6130				

TestCode: EPA Method 8015M/D: Diesel Range Organics

Sample ID: 2202B29-009AMS	SampT	ype: MS	6	Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics	
Client ID: BH-136	Batch	1D: <b>65</b>	799	F	RunNo: 8	6129				
Prep Date: 2/25/2022	Analysis D	ate: 3/	1/2022	8	SeqNo: 3	036594	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.6	48.08	5.086	89.6	39.3	155			
Surr: DNOP	4.3		4.808		89.4	51.1	141			

SPK value SPK Ref Val %REC

0

50.00

5.000

#### Qualifiers:

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

Prep Date: 2/25/2022

Diesel Range Organics (DRO)

Surr: DNOP

- B Analyte detected in the associated Method Blank

SeqNo: 3036101

99.3

102

LowLimit

68.9

51.1

Units: mg/Kg

135

141

%RPD

**RPDLimit** 

HighLimit

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

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## Hall Environmental Analysis Laboratory, Inc.

3.8

2202B29 08-Mar-22

WO#:

0

Client: GHD Midland
Project: Jackson AT Battery

Surr: DNOP

Sample ID: 2202B29-009AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH-136 Batch ID: 65799 RunNo: 86129 Prep Date: 2/25/2022 Analysis Date: 3/1/2022 SeqNo: 3036595 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual Diesel Range Organics (DRO) 5.086 49 9.8 49.02 89.2 39.3 155 1.38 23.4

78.1

51.1

141

0

4.902

Sample ID: 2202B29-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH-128 Batch ID: 65806 RunNo: 86162 Prep Date: 2/25/2022 Analysis Date: 3/2/2022 SeqNo: 3037253 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 168.4 39.3 240 48.31 143 155 Surr: DNOP 90.0 4.3 4.831 51.1 141

Sample ID: 2202B29-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH-128 Batch ID: 65806 RunNo: 86162 Prep Date: 2/25/2022 Analysis Date: 3/2/2022 SeqNo: 3037254 Units: mg/Kg %RPD **RPDLimit** PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual Analyte Result Diesel Range Organics (DRO) 180 9.8 49.02 168.4 17.5 39.3 155 29.3 23.4 RS Surr: DNOP 3.8 4.902 78.3 51.1 141 0 0

### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: 2202B29 08-Mar-22

**Client:** GHD Midland **Project:** Jackson AT Battery

Sample ID: Ics-65784	SampT	SampType: LCS TestCode: EPA Method 8015D: Gasoline Range									
Client ID: LCSS	Batch	ID: <b>65</b>	784	F	RunNo: 8	6123					
Prep Date: 2/24/2022	Analysis D	ate: 2/	25/2022	S	SeqNo: 3	034569	Units: mg/k	ζg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	78.6	131				
Surr: BFB	1300		1000		129	70	130				
Sample ID: mb-65784	SampT	уре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e		
Client ID: PBS	Batch	ID: <b>65</b>	784	F	RunNo: 8	6123					
Prep Date: 2/24/2022	Analysis D	ate: 2/	25/2022	5	SeqNo: 3	034570	Units: mg/k	ίg			
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		111	70	130				
Sample ID: Ics-65786	SampT	ype: <b>LC</b>	s	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е		
Client ID: LCSS	Batch	ID: <b>65</b>	786	F	RunNo: 8	6123					
Prep Date: 2/24/2022	Analysis D	ate: 2/	25/2022	S	SeqNo: 3	034593	Units: mg/k	(g			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131				
Surr: BFB	1200		1000		118	70	130				
Sample ID: <b>mb-65786</b>	SampT	ype: <b>ME</b>	BLK	Tes	tCode: EI	PA Method	8015D: Gaso	line Rang	e		

Client ID: PBS	Batch	ID: <b>65</b>	786	F	RunNo: 80	6123				
Prep Date: 2/24/2022	Analysis D	ate: 2/	26/2022	\$	SeqNo: 30	034594	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	70	130			
Sample ID: 2202b29-009ams	SampT	уре: <b>М</b> S	3	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	e	

Sample ID: 2202b29-009ams	Sampi	ype: MS	•	Tes	tCode: El	PA Method	8015D: Gaso	line Rang	е	
Client ID: BH-136	Batch	ID: <b>65</b> 7	786	F	RunNo: 8	6123				
Prep Date: 2/24/2022	Analysis D	ate: <b>2/</b> 2	26/2022	S	SeqNo: 3	034596	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.9	24.70	0	119	70	130			
Surr: BFB	1200		988.1		119	70	130			

Sample ID: 2202b29-009amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: BH-136 Batch ID: 65786 RunNo: 86123

Prep Date: 2/24/2022 Analysis Date: 2/26/2022 SeqNo: 3034597 Units: mg/Kg

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

#### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B29** 

Qual

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202b29-009amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: **BH-136** Batch ID: **65786** RunNo: **86123** 

Prep Date: 2/24/2022 Analysis Date: 2/26/2022 SeqNo: 3034597 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** 0 1.35 20 Gasoline Range Organics (GRO) 30 4.9 24.44 122 70 130 Surr: BFB 1200 977.5 122 70 130 0 0

#### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

2202B29 08-Mar-22

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-65784	SampT	Type: <b>LC</b>	S	Tes	8021B: Volat	iles				
Client ID: LCSS	Batcl	h ID: <b>65</b> 7	784	F	RunNo: 80	6123				
Prep Date: 2/24/2022	Analysis D	Date: <b>2/</b> 2	25/2022	S	SeqNo: 30	034622	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	100	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.3	70	130			

Sample ID: <b>mb-65784</b>	SampT	ype: ME	BLK	TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch	n ID: <b>65</b>	784	F	RunNo: 8	6123					
Prep Date: 2/24/2022	Analysis D	oate: 2/	25/2022	8	SeqNo: 3	034623	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.98		1.000		97.8	70	130				

Sample ID: Ics-65786	SampT	ype: <b>LC</b>	S	Tes	tCode: El	iles				
Client ID: LCSS	Batcl	n ID: <b>65</b> 7	786	F	RunNo: 80	6123				
Prep Date: 2/24/2022	Analysis D	Date: <b>2/</b> 2	25/2022	S	SeqNo: <b>3034646</b>			(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.0	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.8	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130			

Sample ID: <b>mb-65786</b>	SampT	ype: ME	BLK	Tes	tCode: El						
Client ID: PBS	Batch	n ID: <b>65</b>	786	R	tunNo: 80	6123					
Prep Date: 2/24/2022	Analysis D	ate: <b>2/</b>	26/2022	S	SeqNo: 30	034647	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Benzene	ND	0.025									
Toluene	ND	0.050									
Ethylbenzene	ND	0.050									
Xylenes, Total	ND	0.10									
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130				

#### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202B29** *08-Mar-22* 

Client: GHD Midland
Project: Jackson AT Battery

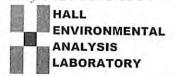
Sample ID: 2202b29-010ams	Samp	Гуре: М5	3	Tes	tCode: El	iles				
Client ID: BH-137	Batc	h ID: <b>65</b>	786	F						
Prep Date: 2/24/2022	Analysis [	Date: <b>2/</b>	26/2022	\$	SeqNo: 3	034650	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	0.9960	0	98.2	80	120			
Toluene	1.0	0.050	0.9960	0	101	80	120			
Ethylbenzene	1.0	0.050	0.9960	0	103	80	120			
Xylenes, Total	3.1	0.10	2.988	0	103	80	120			
Surr: 4-Bromofluorobenzene	0.91		0.9960		91.4	70	130			

Sample ID: 2202b29-010amsd	<b>I</b> SampT	Гуре: М	SD	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: BH-137	Batcl	h ID: <b>65</b>	786	F	RunNo: 8	6123				
Prep Date: 2/24/2022	Analysis D	Date: <b>2/</b>	26/2022	S	SeqNo: 3	034651	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	0.9930	0	97.9	80	120	0.637	20	
Toluene	1.0	0.050	0.9930	0	101	80	120	0.713	20	
Ethylbenzene	1.0	0.050	0.9930	0	102	80	120	0.773	20	
Xylenes, Total	3.0	0.099	2.979	0	102	80	120	0.814	20	
Surr: 4-Bromofluorobenzene	0.91		0.9930		91.4	70	130	0	0	

#### Qualifiers:

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

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

## Sample Log-In Check List

Client Name: GHD Midland	Work Order Num	ber: 220	2B29		RcptNo: 1	
Received By: Joseph Alderette 2	/24/2022 8:00:00	AM		plet.		
Completed By: Tracy Casarrubias 2	/24/2022 8:28:34	AM		100		
Reviewed By: - Jn 2/24/22						
Chain of Custody						
1. Is Chain of Custody complete?		Yes	V	No 🗌	Not Present	
2. How was the sample delivered?		Cou	rier			
Log In						
3. Was an attempt made to cool the samples?		Yes	V	No 🗌	NA 🗌	
4. Were all samples received at a temperature of	>0° C to 6.0°C	Yes	V	No 🗌	NA 🗆	
5. Sample(s) in proper container(s)?		Yes	V	No 🗌		
6. Sufficient sample volume for indicated test(s)?		Yes	<b>V</b>	No 🗌		
7. Are samples (except VOA and ONG) properly pr	eserved?	Yes	V	No 🗌		
8. Was preservative added to bottles?		Yes		No 🗹	NA 🗆	
9. Received at least 1 vial with headspace <1/4" for	r AQ VOA?	Yes		No 🗆	NA 🗹	
10, Were any sample containers received broken?		Yes		No 🔽	# of preserved	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	<b>V</b>	No 🗆	bottles checked for pH: (<2 or >12 unless n	otec
12. Are matrices correctly identified on Chain of Cus	tody?	Yes	V	No 🗌	Adjusted?	
13. Is it clear what analyses were requested?		Yes	<b>V</b>	No 🗆	/	
14. Were all holding times able to be met? (If no. notify customer for authorization.)		Yes	V	No 🗌	Checked by: 2-2	4-2
Special Handling (if applicable)						
15. Was client notified of all discrepancies with this	order?	Yes		No 🗌	NA 🗹	
Person Notified:	Date:		-			
By Whom:	Via:	eMa	il 🗍	Phone Fax	☐ In Person	
Regarding:		7/03	,	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Client Instructions:						
16. Additional remarks:						
17. Cooler Information  Cooler No Temp °C Condition Seal II  1 1.4 Good Yes	ntact Seal No	Seal Da	te	Signed By		

Time:		www.nallenvironmental.com	Tel. 505-345-3975	Analysis	(()	NRC 33's	PO¢ PO∫N PCE	Zach Comino (1) (2) (2) (1) (2) (3) (1) (2) (1) (1) (1) (1) (1) (1) (1) (1) (1) (1	N	Oor	(Including CF): 1.5-0.1 / 1.4°C MTI Met Met MC MAC MAC MAC MAC MAC MAC MAC MAC MAC	Preservative HEAL No. Type 7270 (Scription of Scription o			0.03	752	NOV.	200	400	800	500	010	100		Via: Date Time Remarks: Please email: Chase Settle@eogresources.com:	Tom.Larson@ghd.com; Za	Via: 1 Date 7
Turn-Around Time:		Jackson AT Bate.		11229324		Becky Haskell	Tom Larson		X Yes	# of Coolers: /	(including CF): [ 5 - 0.1 = 1	rvative		200	003	752	YOU	900	400	800	800	010	011	210	Date	Jan 2/23/2	7. Date 2-24-72
Client: GHD Turn Client: GHD Turn	Proj	Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210 Proj	Phone #: (505)377-4218	email or Fax#: Becky. Haskell@ghd.com Proj		☐ Standard ☐ Level 4 (Full Validation) Tom	on: 🗆 Az Compliance	□ Other		Co	Date Time Matrix Sample Name Type	5   SH-176,	1 BH	CBUC 134-13C	151-151	CB20 174-132	Obc (74-133	Gres 154-134	6910 BH-135	OP15 BH-13C	0920 134-137	ons- 184-138	0130 t BH-17	Relinquished by:	in tall	Time: Relinquished by:

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Client:	GHD			Z Standard	d 🗆 Rush	5-8			I	L'L'	EN	/IR	NO	HALL ENVIRONMENTAL	TAL	
				Project Name:		1						1		Z Z	2	
Mailing	Mailing Address:	S:		Juck s	A M	Sto	4	901 H	www.naiieilyiioiiiiefitai.com 4901 Hawkins NE - Albiighergne NM 87109	www.nanellvllonnenal.com	Albuqu		NM N	7109		
324 W.	Main St	t. Suite 10	324 W. Main St. Suite 108, Artesia NM 88210	Project #:				Tel. 50	505-345-3975	975	Fax	505-3	505-345-4107	22 /		
Phone #:	#:	(505)377-4218	7-4218	1122	4324				÷	An	Analysis	Request	est			
email o	email or Fax#:	Веску.Н	Becky.Haskell@ghd.com	Project Manager:	ager:		_	10			†C		(10			L
QAVQC	QA/QC Package:			Becky Haskell	=				SM		C '7		pseu			
☐ Standard	ndard		☐ Level 4 (Full Validation)	Tom Larson				10.00	IISO		7-1		A\tr			
Accreditation:	litation:	□ Az Co	☐ Az Compliance	Sampler:	Zach Comino						' <sup>2</sup> ON	(	reser	119		
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				Cooler Temp(including CF);	(including CF): /.5	2,47=10				təM		/-ime	liforr			
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Date:	Time:	Relinquished by:	ed by: / / /	Received by:	Via:	Date Time	Rei	marks;	Remarks: Please email: Chase	email:	Chase		le@ec	Settle@eogresources.com;	es.com	
022522 Date:	Time:	Relinquished by:	Grains 711.	Received by:	1411-10	71312 BD		Tom latthev	Larson .Laugh	@ghd. Ilin@gl	com; z	Zach.C	Soming g with	Tom.Larson@ghd.com; Zach.Comino@ghd.com Matthew.Laughlin@ghd.com; Along with Becky Haskell	maskell	
1	13h2 1900		and		בפיוני ופי	00:8 22-12-2			ij	listed above.  Direct Bill to EOG Chase Settle	listed above. to EOG Cha	bove. G Cha	ise Se	ţţe		
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Chain-of-Custody Record	Turn-Around Time:	25.50
Client: GHD	Standard   Rush	HALL ENVIRONMENTAL
	L	ANALYSIS LABORATORY
Mailing Address:	Tologo AT RA	www.hallenvironmental.com
324 W. Main St. Suite 108, Artesia NM 88210	Project #:	riawkins NE - Albuqu
Phone #: (505)377-4218	1127,972	lel. 505-345-3975 Fax 505-345-4107
email or Fax#: Becky.Haskell@ghd.com	Project Manager	Alialysis Requ
QA/QC Package:	Becky Haskell	OS S,
☐ Standard ☐ Level 4 (Full Validation)	Tom Larson	SIW3
on:   Az Compliance	Sampler: Zach Comino	) 유입 (1 (1) (2) (1) (1) (2)
□ Other		08/ 08/ 08/ 08/ 08/ 0/ 0/
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	Cooler Temp(including cF): / S _ 6.1 = 1.4 *C	eticio eticio ethoo B31 Met , No , No (AC
Date Time Matrix Sample Name	Container Preservative HEAL No.	TEX / PH:801
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1 NIO 1 SU-26	- 5	\(\frac{1}{2}\)
	2320	
Time: Relinquished by:	by: Via: Date T	Remarks: Please email: Chase_Settle@eogresources.com;
Date; Time: Relinquished by:	Received by Via:	I om.Larson@ghd.com; Zach.Comino@ghd.com   Matthew.Laughlin@ghd.com; Along with Becky Haskell
48/2/1900 all	Je cours 224-22 8:00	listed above.  Direct Bill to EOG Chase Settle
If necessary, samples submitted to Hall Environmental may be subcon	ontracted to other accredited laboratories. This serves as notice of the	If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

March 08, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

FAX:

RE: Jackson AT Battery OrderNo.: 2202C07

### Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/25/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order 2202C07

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-151

 Project:
 Jackson AT Battery
 Collection Date: 2/23/2022 1:15:00 PM

 Lab ID:
 2202C07-001
 Matrix: SOIL
 Received Date: 2/25/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1100	60	mg/Kg	20	3/3/2022 5:21:30 AM	65909
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.4	mg/Kg	1	3/2/2022 12:33:05 PM	65852
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/2/2022 12:33:05 PM	65852
Surr: DNOP	94.2	51.1-141	%Rec	1	3/2/2022 12:33:05 PM	65852
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/28/2022 3:12:58 PM	65809
Surr: BFB	112	70-130	%Rec	1	2/28/2022 3:12:58 PM	65809
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/28/2022 3:12:58 PM	65809
Toluene	ND	0.049	mg/Kg	1	2/28/2022 3:12:58 PM	65809
Ethylbenzene	ND	0.049	mg/Kg	1	2/28/2022 3:12:58 PM	65809
Xylenes, Total	ND	0.098	mg/Kg	1	2/28/2022 3:12:58 PM	65809
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	2/28/2022 3:12:58 PM	65809

Refer to the QC Summary 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

nple pH Not In Range
Page 1 of 7

Lab Order 2202C07

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

**CLIENT:** GHD Midland Client Sample ID: BH-152

Collection Date: 2/23/2022 1:20:00 PM **Project:** Jackson AT Battery 2202C07-002 Lab ID: Matrix: SOIL Received Date: 2/25/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	JMT
Chloride	1000	60	mg/Kg	20	3/3/2022 5:33:54 AM	65909
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	SB
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	3/2/2022 12:43:54 PM	65852
Motor Oil Range Organics (MRO)	ND	45	mg/Kg	1	3/2/2022 12:43:54 PM	65852
Surr: DNOP	126	51.1-141	%Rec	1	3/2/2022 12:43:54 PM	65852
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	2/28/2022 3:36:21 PM	65809
Surr: BFB	107	70-130	%Rec	1	2/28/2022 3:36:21 PM	65809
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.025	mg/Kg	1	2/28/2022 3:36:21 PM	65809
Toluene	ND	0.049	mg/Kg	1	2/28/2022 3:36:21 PM	65809
Ethylbenzene	ND	0.049	mg/Kg	1	2/28/2022 3:36:21 PM	65809
Xylenes, Total	ND	0.098	mg/Kg	1	2/28/2022 3:36:21 PM	65809
Surr: 4-Bromofluorobenzene	99.9	70-130	%Rec	1	2/28/2022 3:36:21 PM	65809

Refer to the QC Summary 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
- Analyte detected in the associated Method Blank
- Е Estimated value
- Analyte detected below quantitation limits
- P Sample pH Not In Range
- Reporting Limit

Page 2 of 7

Lab Order 2202C07

Date Reported: 3/8/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-153

 Project:
 Jackson AT Battery
 Collection Date: 2/23/2022 1:25:00 PM

 Lab ID:
 2202C07-003
 Matrix: SOIL
 Received Date: 2/25/2022 8:00:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: JMT
Chloride	1100	60	mg/Kg	20	3/3/2022 5:46:19 AM	65909
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.1	mg/Kg	1	3/2/2022 12:54:45 PM	65852
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/2/2022 12:54:45 PM	65852
Surr: DNOP	106	51.1-141	%Rec	1	3/2/2022 12:54:45 PM	65852
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	2/28/2022 5:10:01 PM	65809
Surr: BFB	106	70-130	%Rec	1	2/28/2022 5:10:01 PM	65809
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	2/28/2022 5:10:01 PM	65809
Toluene	ND	0.048	mg/Kg	1	2/28/2022 5:10:01 PM	65809
Ethylbenzene	ND	0.048	mg/Kg	1	2/28/2022 5:10:01 PM	65809
Xylenes, Total	ND	0.097	mg/Kg	1	2/28/2022 5:10:01 PM	65809
Surr: 4-Bromofluorobenzene	101	70-130	%Rec	1	2/28/2022 5:10:01 PM	65809

Refer to the QC Summary 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

pple pH Not In Range Page 3 of 7

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C07** *08-Mar-22* 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65909 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65909 RunNo: 86196

Prep Date: 3/2/2022 Analysis Date: 3/2/2022 SeqNo: 3038531 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65909 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65909 RunNo: 86196

Prep Date: 3/2/2022 Analysis Date: 3/2/2022 SeqNo: 3038532 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.8 90 110

#### Qualifiers:

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

Page 4 of 7

## Hall Environmental Analysis Laboratory, Inc.

2202C07 08-Mar-22

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202C07-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH-151 Batch ID: 65852 RunNo: 86180 Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038757 Units: mq/Kq SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result PQL LowLimit Qual Diesel Range Organics (DRO) 4.726 56 9.2 46.13 111 39.3 155 Surr: DNOP 5.4 4.613 117 51.1 141

Sample ID: 2202C07-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: BH-151 Batch ID: 65852 RunNo: 86180 Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038758 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 39.3 23.4 54 9.2 45.83 4.726 108 155 3.42 Surr: DNOP 5.0 4.583 110 51.1 141 0 0

Sample ID: LCS-65852 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 65852 RunNo: 86180 Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038792 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte PQL LowLimit Qual Diesel Range Organics (DRO) 47 10 50.00 0 94.1 68.9 135 Surr: DNOP 5.000 4.5 89.4 51.1 141

Sample ID: MB-65852 TestCode: EPA Method 8015M/D: Diesel Range Organics SampType: MBLK Client ID: PBS Batch ID: 65852 RunNo: 86180 Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038794 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result LowLimit Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 10 10.00 104 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 Quantitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

Page 5 of 7

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C07** *08-Mar-22* 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65809 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65809 RunNo: 86141

Prep Date: 2/25/2022 Analysis Date: 2/28/2022 SeqNo: 3035700 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 106 70 130

Sample ID: Ics-65809 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65809 RunNo: 86141

Prep Date: 2/25/2022 Analysis Date: 2/28/2022 SeqNo: 3035701 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 25 5.0 25.00 0 100 78.6 131 Surr: BFB 1200 70 1000 117 130

#### Qualifiers:

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

Page 6 of 7

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2202C07** 

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65809 SampType: MBLK TestCode: EPA Method 8021B: Volatiles Client ID: PBS Batch ID: 65809 RunNo: 86141 Prep Date: 2/25/2022 Analysis Date: 2/28/2022 SeqNo: 3035742 Units: mg/Kg PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Analyte Result Benzene ND 0.025 ND 0.050

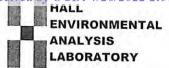
 Surr: 4-Bromofluorobenzene
 1.0
 1.000
 101
 70
 130

Sample ID: LCS-65809	SampT	ype: <b>LC</b>	s	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: LCSS	Batcl	n ID: <b>65</b> 8	809	F	RunNo: 8	6141				
Prep Date: 2/25/2022	Analysis D	ate: <b>2/</b> 2	28/2022	S	SeqNo: 3	035743	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.96	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

#### Qualifiers:

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

Page 7 of 7



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

## Sample Log-In Check List

Client Name:	GHD Midland	Work Orde	r Number: 22	202C07		RcptN	lo: 1
Received By:	Cheyenne Cason	2/25/2022 8:0	00:00 AM		Chal		
Completed By:	Desiree Dominguez	2/25/2022 8:	15:10 AM		THE		
Reviewed By:	Jr2/25/22						
Chain of Custo	ody						
1. Is Chain of Cus	stody complete?		Ye	es 🗸	No 🗆	Not Present	
2. How was the sa	ample delivered?		Co	ourier			
Log In							
The second secon	t made to cool the sample	s?	Ye	es 🗸	No 🗆	NA 🗆	
4. Were all sample	es received at a temperatu	re of >0° C to 6.0	°C Ye	s 🗸	No 🗆	NA 🗆	
5. Sample(s) in pr	oper container(s)?		Ye	s 🗸	No 🗆		
6. Sufficient sampl	le volume for indicated tes	t(s)?	Ye	s 🗸	No 🗆		
7. Are samples (ex	cept VOA and ONG) prop	erly preserved?	Ye	s <b>v</b>	No 🗌		
8. Was preservativ	ve added to bottles?		Ye	s 🗌	No 🗹	NA 🗆	
9. Received at leas	st 1 vial with headspace <	1/4" for AQ VOA?	Ye	s 🔲	No 🗌	NA 🗹	
0. Were any samp	ole containers received bro	ken?	Ye	s 🗆	No 🗹	# - 6	
4.2.7						# of preserved bottles checked	
	match bottle labels? cies on chain of custody)		Ye	s <b>V</b>	No 🗔	for pH:	or 12 unless noted)
	rrectly identified on Chain	of Custody?	Ye		No 🗌	Adjusted	or>12 unless noted)
	nalyses were requested?	o. odolodj .	Ye	F-3	No 🗆		
4. Were all holding	times able to be met? tomer for authorization.)		Yes		No 🗌	Checked by:	KPG 2/25
pecial Handlin	g (if applicable)						
	ied of all discrepancies wit	h this order?	Ye	s 🗌	No 🗌	NA 🗸	
Person No	otified:		Date:				
By Whom				Mail 🗆	Phone Fax	x In Person	
Regarding	g:			1			
Client Inst	tructions:						
16. Additional rema	arks:						
7. <u>Cooler Information</u> Cooler No	The state of the s	Seal Intact Seal	No Seal	Date	Signed By		

Chain-of-Custody Record	Turn-Around Time:		
Client: GHD	AcStandard Bush5-0	HALLE	HALL ENVIRONMENTAL
		ANALT	ANALISIS LABORATORY
Mailing Address:	Techson do R. H.	www.hallenv	www.hallenvironmental.com
324 W. Main St. Suite 108, Artesia NM 88210	Project #:	Tel 505-346-3026	buqueique, INM 87 109
Phone #: (505)377-4218	H 628 E 611	Analy	Analysis Reguest
email or Fax#: Becky.Haskell@ghd.com		((	(Combat de la combat de la comb
QA/QC Package:	Becky Haskell	s,s	seut
☐ Standard ☐ Level 4 (Full Validation)		SIW BCE	dA\t
on:		S80 (1.	() / uəsa
	On Ice: X Yes $\square$ No	08/8 9/8/8 9/04:	_
□ EDD (Type)	# of Coolers: L	G Book	ΟΛ
	Cooler Temp(including CF): 2.8-0.1 = 2	15D( etho y 83	-imə
Date Time Matrix Sample Name	Container Preservative Type and # Type	7.5 PH:80 081 Pe 081 Pe 081 Pe CRA 8	250 (S) 072 (S) 053   Co
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Date: Time: Relinquished by:	Received by: Via Chair	a	I om. Larson@ghd.com; Zach. Comino@ghd.com Matthew. Laughlin@ghd.com: Along with Becky Haskell
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tracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

March 10, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

**FAX** 

RE: Jackson AT Battery OrderNo.: 2203007

### Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 17 sample(s) on 3/1/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

andy

4901 Hawkins NE

Albuquerque, NM 87109

# Analytical Report Lab Order 2203007

Date Reported: 3/10/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-154

 Project:
 Jackson AT Battery
 Collection Date: 2/24/2022 8:00:00 AM

 Lab ID:
 2203007-001
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Uni	ts D	F Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analy	st: LRN
Chloride	1300	60	mg,	Kg 2	0 3/7/2022 6:33:13 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analy	st: SB
Diesel Range Organics (DRO)	51	9.9	mg,	Kg 1	3/7/2022 12:11:25 PM	1 65926
Motor Oil Range Organics (MRO)	93	49	mg/	Kg 1	3/7/2022 12:11:25 PM	65926
Surr: DNOP	87.0	51.1-141	%R	ec 1	3/7/2022 12:11:25 PM	1 65926
EPA METHOD 8015D: GASOLINE RANGE					Analy	st: RAA
Gasoline Range Organics (GRO)	ND	25	mg/	Kg 5	3/3/2022 2:06:00 AM	65876
Surr: BFB	105	70-130	%R	ec 5	3/3/2022 2:06:00 AM	65876
EPA METHOD 8021B: VOLATILES					Analy	st: RAA
Benzene	ND	0.025	mg,	Kg 1	3/3/2022 2:06:00 AM	65876
Toluene	ND	0.049	mg/	Kg 1	3/3/2022 2:06:00 AM	65876
Ethylbenzene	ND	0.049	mg/	Kg 1	3/3/2022 2:06:00 AM	65876
Xylenes, Total	ND	0.099	mg/	Kg 1	3/3/2022 2:06:00 AM	65876
Surr: 4-Bromofluorobenzene	88.8	70-130	%R	ec 1	3/3/2022 2:06:00 AM	65876

Refer to the QC Summary 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 Order **2203007**Date Reported: **3/10/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-155

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 8:05:00 AM

 **Lab ID:** 2203007-002
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1700	60	mg/Kg	20	3/7/2022 6:45:38 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	180	9.6	mg/Kg	1	3/7/2022 12:39:34 PM	65926
Motor Oil Range Organics (MRO)	260	48	mg/Kg	1	3/7/2022 12:39:34 PM	65926
Surr: DNOP	81.8	51.1-141	%Rec	1	3/7/2022 12:39:34 PM	65926
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/3/2022 2:26:00 AM	65876
Surr: BFB	97.5	70-130	%Rec	1	3/3/2022 2:26:00 AM	65876
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	3/3/2022 2:26:00 AM	65876
Toluene	ND	0.050	mg/Kg	1	3/3/2022 2:26:00 AM	65876
Ethylbenzene	ND	0.050	mg/Kg	1	3/3/2022 2:26:00 AM	65876
Xylenes, Total	ND	0.10	mg/Kg	1	3/3/2022 2:26:00 AM	65876
Surr: 4-Bromofluorobenzene	84.8	70-130	%Rec	1	3/3/2022 2:26:00 AM	65876

Refer to the QC Summary 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:** GHD Midland

## **Analytical Report**

Lab Order 2203007

Date Reported: 3/10/2022

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-156

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 8:10:00 AM

 **Lab ID:** 2203007-003
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1100	60	mg/Kg	20	3/7/2022 6:58:02 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	32	9.5	mg/Kg	1	3/7/2022 1:07:50 PM	65926
Motor Oil Range Organics (MRO)	110	47	mg/Kg	1	3/7/2022 1:07:50 PM	65926
Surr: DNOP	76.7	51.1-141	%Rec	1	3/7/2022 1:07:50 PM	65926
EPA METHOD 8015D: GASOLINE RANGE					Analyst	:: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/3/2022 2:46:00 AM	65876
Surr: BFB	101	70-130	%Rec	1	3/3/2022 2:46:00 AM	65876
EPA METHOD 8021B: VOLATILES					Analyst	:: RAA
Benzene	ND	0.025	mg/Kg	1	3/3/2022 2:46:00 AM	65876
Toluene	ND	0.049	mg/Kg	1	3/3/2022 2:46:00 AM	65876
Ethylbenzene	ND	0.049	mg/Kg	1	3/3/2022 2:46:00 AM	65876
Xylenes, Total	ND	0.099	mg/Kg	1	3/3/2022 2:46:00 AM	65876
Surr: 4-Bromofluorobenzene	88.8	70-130	%Rec	1	3/3/2022 2:46:00 AM	65876

Refer to the QC Summary 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 Order **2203007** 

## Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/10/2022

CLIENT: GHD Midland Client Sample ID: BH-157

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 9:00:00 AM

 **Lab ID:** 2203007-004
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	3100	150	mg/Kg	50	3/8/2022 11:58:10 AM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	150	9.4	mg/Kg	1	3/7/2022 1:35:57 PM	65926
Motor Oil Range Organics (MRO)	170	47	mg/Kg	1	3/7/2022 1:35:57 PM	65926
Surr: DNOP	79.8	51.1-141	%Rec	1	3/7/2022 1:35:57 PM	65926
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/3/2022 3:05:00 AM	65876
Surr: BFB	101	70-130	%Rec	1	3/3/2022 3:05:00 AM	65876
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.025	mg/Kg	1	3/3/2022 3:05:00 AM	65876
Toluene	ND	0.050	mg/Kg	1	3/3/2022 3:05:00 AM	65876
Ethylbenzene	ND	0.050	mg/Kg	1	3/3/2022 3:05:00 AM	65876
Xylenes, Total	ND	0.10	mg/Kg	1	3/3/2022 3:05:00 AM	65876
Surr: 4-Bromofluorobenzene	87.3	70-130	%Rec	1	3/3/2022 3:05:00 AM	65876

Refer to the QC Summary 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 2203007

Date Reported: 3/10/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-158

 Project:
 Jackson AT Battery
 Collection Date: 2/24/2022 9:05:00 AM

 Lab ID:
 2203007-005
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	2400	150	mg/Kg	50	3/8/2022 12:10:31 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	250	49	mg/Kg	5	3/7/2022 2:04:28 PM	65926
Motor Oil Range Organics (MRO)	380	240	mg/Kg	5	3/7/2022 2:04:28 PM	65926
Surr: DNOP	84.2	51.1-141	%Rec	5	3/7/2022 2:04:28 PM	65926
EPA METHOD 8015D: GASOLINE RANGE					Analyst	RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/3/2022 3:25:00 AM	65876
Surr: BFB	99.8	70-130	%Rec	1	3/3/2022 3:25:00 AM	65876
EPA METHOD 8021B: VOLATILES					Analyst	RAA
Benzene	ND	0.024	mg/Kg	1	3/3/2022 3:25:00 AM	65876
Toluene	ND	0.048	mg/Kg	1	3/3/2022 3:25:00 AM	65876
Ethylbenzene	ND	0.048	mg/Kg	1	3/3/2022 3:25:00 AM	65876
Xylenes, Total	ND	0.096	mg/Kg	1	3/3/2022 3:25:00 AM	65876
Surr: 4-Bromofluorobenzene	86.6	70-130	%Rec	1	3/3/2022 3:25:00 AM	65876

Refer to the QC Summary 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 Order **2203007** 

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/10/2022

CLIENT: GHD Midland Client Sample ID: BH-159

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 9:10:00 AM

 **Lab ID:** 2203007-006
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	t: LRN
Chloride	1600	60	mg/Kg	20	3/7/2022 8:00:06 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	t: SB
Diesel Range Organics (DRO)	390	49	mg/Kg	5	3/7/2022 2:33:01 PM	65926
Motor Oil Range Organics (MRO)	620	250	mg/Kg	5	3/7/2022 2:33:01 PM	65926
Surr: DNOP	86.2	51.1-141	%Rec	5	3/7/2022 2:33:01 PM	65926
EPA METHOD 8015D: GASOLINE RANGE					Analyst	t: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/3/2022 3:45:00 AM	65876
Surr: BFB	99.3	70-130	%Rec	1	3/3/2022 3:45:00 AM	65876
EPA METHOD 8021B: VOLATILES					Analyst	t: RAA
Benzene	ND	0.025	mg/Kg	1	3/3/2022 3:45:00 AM	65876
Toluene	ND	0.050	mg/Kg	1	3/3/2022 3:45:00 AM	65876
Ethylbenzene	ND	0.050	mg/Kg	1	3/3/2022 3:45:00 AM	65876
Xylenes, Total	ND	0.10	mg/Kg	1	3/3/2022 3:45:00 AM	65876
Surr: 4-Bromofluorobenzene	84.8	70-130	%Rec	1	3/3/2022 3:45:00 AM	65876

Refer to the QC Summary 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 Order **2203007**Date Reported: **3/10/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-160

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 10:00:00 AM

 **Lab ID:** 2203007-007
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: LRN
Chloride	1500	60	mg/Kg	20	3/7/2022 8:12:30 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	:: SB
Diesel Range Organics (DRO)	140	46	mg/Kg	5	3/7/2022 3:01:39 PM	65926
Motor Oil Range Organics (MRO)	300	230	mg/Kg	5	3/7/2022 3:01:39 PM	65926
Surr: DNOP	81.8	51.1-141	%Rec	5	3/7/2022 3:01:39 PM	65926
EPA METHOD 8015D: GASOLINE RANGE					Analys	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/3/2022 4:05:00 AM	65876
Surr: BFB	102	70-130	%Rec	1	3/3/2022 4:05:00 AM	65876
EPA METHOD 8021B: VOLATILES					Analys	: RAA
Benzene	ND	0.024	mg/Kg	1	3/3/2022 4:05:00 AM	65876
Toluene	ND	0.048	mg/Kg	1	3/3/2022 4:05:00 AM	65876
Ethylbenzene	ND	0.048	mg/Kg	1	3/3/2022 4:05:00 AM	65876
Xylenes, Total	ND	0.096	mg/Kg	1	3/3/2022 4:05:00 AM	65876
Surr: 4-Bromofluorobenzene	87.9	70-130	%Rec	1	3/3/2022 4:05:00 AM	65876

Refer to the QC Summary 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 Order **2203007**Date Reported: **3/10/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-161

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 10:05:00 AM

 **Lab ID:** 2203007-008
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	720	60	mg/Kg	20	3/8/2022 2:12:29 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	80	9.5	mg/Kg	1	3/4/2022 2:08:33 PM	65900
Motor Oil Range Organics (MRO)	110	48	mg/Kg	1	3/4/2022 2:08:33 PM	65900
Surr: DNOP	74.1	51.1-141	%Rec	1	3/4/2022 2:08:33 PM	65900
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/2/2022 9:15:59 PM	65884
Surr: BFB	104	70-130	%Rec	1	3/2/2022 9:15:59 PM	65884
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	3/2/2022 9:15:59 PM	65884
Toluene	ND	0.050	mg/Kg	1	3/2/2022 9:15:59 PM	65884
Ethylbenzene	ND	0.050	mg/Kg	1	3/2/2022 9:15:59 PM	65884
Xylenes, Total	ND	0.099	mg/Kg	1	3/2/2022 9:15:59 PM	65884
Surr: 4-Bromofluorobenzene	99.0	70-130	%Rec	1	3/2/2022 9:15:59 PM	65884

Refer to the QC Summary 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:** GHD Midland

## **Analytical Report**

Lab Order **2203007**Date Reported: **3/10/2022** 

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-162

 Project:
 Jackson AT Battery
 Collection Date: 2/24/2022 10:10:00 AM

 Lab ID:
 2203007-009
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	2400	60	mg/Kg	20	3/8/2022 2:24:53 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	230	49	mg/Kg	5	3/7/2022 3:58:49 PM	65900
Motor Oil Range Organics (MRO)	360	240	mg/Kg	5	3/7/2022 3:58:49 PM	65900
Surr: DNOP	94.8	51.1-141	%Rec	5	3/7/2022 3:58:49 PM	65900
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	25	mg/Kg	5	3/2/2022 10:26:07 PM	65884
Surr: BFB	108	70-130	%Rec	5	3/2/2022 10:26:07 PM	65884
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.12	mg/Kg	5	3/2/2022 10:26:07 PM	65884
Toluene	ND	0.25	mg/Kg	5	3/2/2022 10:26:07 PM	65884
Ethylbenzene	ND	0.25	mg/Kg	5	3/2/2022 10:26:07 PM	65884
Xylenes, Total	ND	0.49	mg/Kg	5	3/2/2022 10:26:07 PM	65884
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	5	3/2/2022 10:26:07 PM	65884

Refer to the QC Summary 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 Order 2203007

## Hall Environmental Analysis Laboratory, Inc. Date Reported: 3/10/2022

CLIENT: GHD Midland Client Sample ID: BH-163

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 11:00:00 AM

 **Lab ID:** 2203007-010
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1600	60	mg/Kg	20	3/8/2022 3:02:09 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	190	9.9	mg/Kg	1	3/4/2022 2:53:09 PM	65900
Motor Oil Range Organics (MRO)	210	50	mg/Kg	1	3/4/2022 2:53:09 PM	65900
Surr: DNOP	83.1	51.1-141	%Rec	1	3/4/2022 2:53:09 PM	65900
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/2/2022 11:36:42 PM	65884
Surr: BFB	107	70-130	%Rec	1	3/2/2022 11:36:42 PM	65884
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.024	mg/Kg	1	3/2/2022 11:36:42 PM	65884
Toluene	ND	0.048	mg/Kg	1	3/2/2022 11:36:42 PM	65884
Ethylbenzene	ND	0.048	mg/Kg	1	3/2/2022 11:36:42 PM	65884
Xylenes, Total	ND	0.097	mg/Kg	1	3/2/2022 11:36:42 PM	65884
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	3/2/2022 11:36:42 PM	65884

Refer to the QC Summary 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 Order **2203007**Date Reported: **3/10/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-164

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 11:05:00 AM

 **Lab ID:** 2203007-011
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	LRN
Chloride	2100	60	mg/Kg	20	3/8/2022 3:14:34 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst:	SB
Diesel Range Organics (DRO)	240	10	mg/Kg	1	3/4/2022 1:46:14 PM	65900
Motor Oil Range Organics (MRO)	220	50	mg/Kg	1	3/4/2022 1:46:14 PM	65900
Surr: DNOP	92.6	51.1-141	%Rec	1	3/4/2022 1:46:14 PM	65900
EPA METHOD 8015D: GASOLINE RANGE					Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/3/2022 12:00:13 AM	65884
Surr: BFB	109	70-130	%Rec	1	3/3/2022 12:00:13 AM	65884
EPA METHOD 8021B: VOLATILES					Analyst:	NSB
Benzene	ND	0.024	mg/Kg	1	3/3/2022 12:00:13 AM	65884
Toluene	ND	0.048	mg/Kg	1	3/3/2022 12:00:13 AM	65884
Ethylbenzene	ND	0.048	mg/Kg	1	3/3/2022 12:00:13 AM	65884
Xylenes, Total	ND	0.095	mg/Kg	1	3/3/2022 12:00:13 AM	65884
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	3/3/2022 12:00:13 AM	65884

Refer to the QC Summary 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 Order **2203007** 

# Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/10/2022

CLIENT: GHD Midland Client Sample ID: BH-165

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 11:10:00 AM

 **Lab ID:** 2203007-012
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual U	Jnits	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS						Analyst:	LRN
Chloride	810	60	m	ng/Kg	20	3/8/2022 3:26:59 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analyst:	SB
Diesel Range Organics (DRO)	280	47	m	ng/Kg	5	3/4/2022 4:44:36 PM	65900
Motor Oil Range Organics (MRO)	570	240	m	ng/Kg	5	3/4/2022 4:44:36 PM	65900
Surr: DNOP	81.8	51.1-141	%	6Rec	5	3/4/2022 4:44:36 PM	65900
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	NSB
Gasoline Range Organics (GRO)	ND	4.9	m	ng/Kg	1	3/3/2022 12:23:36 AM	65884
Surr: BFB	105	70-130	%	6Rec	1	3/3/2022 12:23:36 AM	65884
EPA METHOD 8021B: VOLATILES						Analyst:	NSB
Benzene	ND	0.025	m	ng/Kg	1	3/3/2022 12:23:36 AM	65884
Toluene	ND	0.049	m	ng/Kg	1	3/3/2022 12:23:36 AM	65884
Ethylbenzene	ND	0.049	m	ng/Kg	1	3/3/2022 12:23:36 AM	65884
Xylenes, Total	ND	0.099	m	ng/Kg	1	3/3/2022 12:23:36 AM	65884
Surr: 4-Bromofluorobenzene	99.7	70-130	%	6Rec	1	3/3/2022 12:23:36 AM	65884

Refer to the QC Summary 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 Order **2203007** 

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/10/2022

CLIENT: GHD Midland Client Sample ID: BH-166

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 11:15:00 AM

 **Lab ID:** 2203007-013
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	510	60	mg/Kg	20	3/8/2022 3:39:24 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/3/2022 2:14:24 PM	65900
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/3/2022 2:14:24 PM	65900
Surr: DNOP	70.3	51.1-141	%Rec	1	3/3/2022 2:14:24 PM	65900
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/3/2022 12:47:13 AM	65884
Surr: BFB	107	70-130	%Rec	1	3/3/2022 12:47:13 AM	65884
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	3/3/2022 12:47:13 AM	65884
Toluene	ND	0.050	mg/Kg	1	3/3/2022 12:47:13 AM	65884
Ethylbenzene	ND	0.050	mg/Kg	1	3/3/2022 12:47:13 AM	65884
Xylenes, Total	ND	0.10	mg/Kg	1	3/3/2022 12:47:13 AM	65884
Surr: 4-Bromofluorobenzene	103	70-130	%Rec	1	3/3/2022 12:47:13 AM	65884

Refer to the QC Summary 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:** GHD Midland

### **Analytical Report**

Lab Order 2203007

Date Reported: 3/10/2022

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: BH-167

 Project:
 Jackson AT Battery
 Collection Date: 2/24/2022 11:20:00 AM

 Lab ID:
 2203007-014
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	MRA
Chloride	2800	150	mg/Kg	50	3/8/2022 12:47:33 PM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	38	9.9	mg/Kg	1	3/3/2022 2:25:18 PM	65900
Motor Oil Range Organics (MRO)	55	50	mg/Kg	1	3/3/2022 2:25:18 PM	65900
Surr: DNOP	101	51.1-141	%Rec	1	3/3/2022 2:25:18 PM	65900
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/3/2022 1:10:47 AM	65884
Surr: BFB	109	70-130	%Rec	1	3/3/2022 1:10:47 AM	65884
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	3/3/2022 1:10:47 AM	65884
Toluene	ND	0.049	mg/Kg	1	3/3/2022 1:10:47 AM	65884
Ethylbenzene	ND	0.049	mg/Kg	1	3/3/2022 1:10:47 AM	65884
Xylenes, Total	ND	0.098	mg/Kg	1	3/3/2022 1:10:47 AM	65884
Surr: 4-Bromofluorobenzene	104	70-130	%Rec	1	3/3/2022 1:10:47 AM	65884

Refer to the QC Summary 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 2203007

Date Reported: 3/10/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-168

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 12:50:00 PM

 **Lab ID:** 2203007-015
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1900	59	mg/Kg	20	3/8/2022 4:04:13 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	51	9.5	mg/Kg	1	3/3/2022 2:36:14 PM	65900
Motor Oil Range Organics (MRO)	59	48	mg/Kg	1	3/3/2022 2:36:14 PM	65900
Surr: DNOP	81.5	51.1-141	%Rec	1	3/3/2022 2:36:14 PM	65900
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: NSB
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/3/2022 1:34:18 AM	65884
Surr: BFB	105	70-130	%Rec	1	3/3/2022 1:34:18 AM	65884
EPA METHOD 8021B: VOLATILES					Analyst	: NSB
Benzene	ND	0.025	mg/Kg	1	3/3/2022 1:34:18 AM	65884
Toluene	ND	0.050	mg/Kg	1	3/3/2022 1:34:18 AM	65884
Ethylbenzene	ND	0.050	mg/Kg	1	3/3/2022 1:34:18 AM	65884
Xylenes, Total	ND	0.099	mg/Kg	1	3/3/2022 1:34:18 AM	65884
Surr: 4-Bromofluorobenzene	99.2	70-130	%Rec	1	3/3/2022 1:34:18 AM	65884

Refer to the QC Summary 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 Order **2203007**Date Reported: **3/10/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-169

**Project:** Jackson AT Battery
 Collection Date: 2/24/2022 12:55:00 PM

 **Lab ID:** 2203007-016
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst:	MRA
Chloride	2900	150	mg/Kg	50	3/8/2022 12:59:54 PM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	SB
Diesel Range Organics (DRO)	270	47	mg/Kg	5	3/4/2022 4:33:27 PM	65900
Motor Oil Range Organics (MRO)	480	240	mg/Kg	5	3/4/2022 4:33:27 PM	65900
Surr: DNOP	73.4	51.1-141	%Rec	5	3/4/2022 4:33:27 PM	65900
EPA METHOD 8015D: GASOLINE RANGE					Analyst	NSB
Gasoline Range Organics (GRO)	ND	24	mg/Kg	5	3/3/2022 1:57:49 AM	65884
Surr: BFB	110	70-130	%Rec	5	3/3/2022 1:57:49 AM	65884
EPA METHOD 8021B: VOLATILES					Analyst	NSB
Benzene	ND	0.12	mg/Kg	5	3/3/2022 1:57:49 AM	65884
Toluene	ND	0.24	mg/Kg	5	3/3/2022 1:57:49 AM	65884
Ethylbenzene	ND	0.24	mg/Kg	5	3/3/2022 1:57:49 AM	65884
Xylenes, Total	ND	0.48	mg/Kg	5	3/3/2022 1:57:49 AM	65884
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	5	3/3/2022 1:57:49 AM	65884

Refer to the QC Summary 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 2203007

Date Reported: 3/10/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-170

 Project:
 Jackson AT Battery
 Collection Date: 2/24/2022 1:00:00 PM

 Lab ID:
 2203007-017
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	t: MRA
Chloride	2200	150	mg/K	50	3/8/2022 1:12:14 PM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analys	t: <b>SB</b>
Diesel Range Organics (DRO)	130	10	mg/Kg	<b>j</b> 1	3/4/2022 2:30:49 PM	65900
Motor Oil Range Organics (MRO)	130	50	mg/Kg	1	3/4/2022 2:30:49 PM	65900
Surr: DNOP	85.8	51.1-141	%Red	1	3/4/2022 2:30:49 PM	65900
EPA METHOD 8015D: GASOLINE RANGE					Analys	t: NSB
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/3/2022 2:21:10 AM	65884
Surr: BFB	106	70-130	%Red	1	3/3/2022 2:21:10 AM	65884
EPA METHOD 8021B: VOLATILES					Analys	t: NSB
Benzene	ND	0.024	mg/Kg	1	3/3/2022 2:21:10 AM	65884
Toluene	ND	0.048	mg/Kg	<b>j</b> 1	3/3/2022 2:21:10 AM	65884
Ethylbenzene	ND	0.048	mg/Kg	1	3/3/2022 2:21:10 AM	65884
Xylenes, Total	ND	0.096	mg/Kg	1	3/3/2022 2:21:10 AM	65884
Surr: 4-Bromofluorobenzene	101	70-130	%Red	1	3/3/2022 2:21:10 AM	65884

Refer to the QC Summary 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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**Project:** 

#### Hall Environmental Analysis Laboratory, Inc.

Jackson AT Battery

WO#: **2203007** 10-Mar-22

Client: GHD Midland

Sample ID: MB-65998 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65998 RunNo: 86300

Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3043174 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65998 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65998 RunNo: 86300

Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3043175 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.5 90 110

Sample ID: MB-66001 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **66001** RunNo: **86300** 

Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3043204 Units: mg/Kg

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

 Chloride
 ND
 1.5

 Nitrogen, Nitrite (As N)
 ND
 0.30

 Nitrogen, Nitrate (As N)
 ND
 0.30

Sample ID: LCS-66001 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66001 RunNo: 86300

Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3043205 Units: mg/Kg

SPK value SPK Ref Val Analyte Result PQL %REC LowLimit HighLimit %RPD **RPDLimit** Qual Chloride 14 1.5 15.00 0 95.0 90 110 Nitrogen, Nitrite (As N) 0 93.0 90 2.8 0.30 3.000 110 Nitrogen, Nitrate (As N) 7.8 0.30 7.500 0 104 90 110

#### Qualifiers:

Value exceeds Maximum Contaminant Level

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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#### Hall Environmental Analysis Laboratory, Inc.

SampType: MBLK

Batch ID: 65926

Analysis Date: 3/4/2022

PQL

10

50

10.00

Result

ND

ND

8.8

2203007

WO#:

10-Mar-22

**Client:** GHD Midland **Project:** Jackson AT Battery

Sample ID: LCS-65900	SampTy	pe: <b>LC</b>	S	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Die	esel Range	organics	
Client ID: LCSS	Batch	ID: <b>65</b>	900	F	RunNo: 80	6217				
Prep Date: 3/2/2022	Analysis Da	ate: 3/	3/2022	S	SeqNo: 30	039860	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	121	68.9	135			
Surr: DNOP	4.4		5.000		87.4	51.1	141			
Sample ID: MB-65900	SampTy	/pe: <b>ME</b>	BLK	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: PBS	Batch	ID: <b>65</b> 9	900	F	RunNo: 80	6217				
Prep Date: 3/2/2022	Analysis Da	ate: 3/	3/2022	S	SeqNo: 30	039863	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		88.6	51.1	141			
Sample ID: LCS-65926	0 T									
Campic 15. <b>200-03920</b>	SampTy	pe: LC	S	Tes	tCode: <b>EF</b>	PA Method	8015M/D: Di	esel Range	organics	
Client ID: LCSS		pe: <b>LC</b> ID: <b>65</b> 9			tCode: <b>EF</b> RunNo: <b>8</b> (		8015M/D: Di	esel Range	e Organics	
		ID: <b>65</b> 9	926	F		6243	8015M/D: Did		e Organics	
Client ID: LCSS	Batch	ID: <b>65</b> 9	926 4/2022	F	RunNo: 80	6243			e Organics  RPDLimit	Qual
Client ID: LCSS Prep Date: 3/3/2022	Batch Analysis Da	ID: <b>65</b> 9	926 4/2022	F	RunNo: 80 GeqNo: 30	6243 040887	Units: mg/k	(g	·	Qual

#### Qualifiers:

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

Sample ID: MB-65926

Prep Date: 3/3/2022

Diesel Range Organics (DRO)

Motor Oil Range Organics (MRO)

Client ID: PBS

Analyte

Surr: DNOP

- Н Holding times for preparation or analysis exceeded
- Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- % Recovery outside of range due to dilution or matrix interference
- Analyte detected in the associated Method Blank

RunNo: 86243

88.4

51.1

SPK value SPK Ref Val %REC LowLimit

SeqNo: 3040889

TestCode: EPA Method 8015M/D: Diesel Range Organics

Units: mg/Kg

141

HighLimit

%RPD

**RPDLimit** 

Qual

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

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#### Hall Environmental Analysis Laboratory, Inc.

2203007 10-Mar-22

WO#:

**Client:** GHD Midland **Project:** Jackson AT Battery

Sample ID: mb-65884 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PBS Batch ID: 65884 RunNo: 86205 Prep Date: 3/1/2022 Analysis Date: 3/3/2022 SeqNo: 3038336 Units: mg/Kg SPK value SPK Ref Val **RPDLimit** Analyte Result PQL %REC LowLimit HighLimit %RPD Qual

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1100 1000 112 70 130

Sample ID: Ics-65884 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65884 RunNo: 86205

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038337 Units: mg/Kg

HighLimit Analyte Result PQL SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 25 5.0 25.00 O 102 78.6 131 Surr: BFB 1200 1000 124 70 130

Sample ID: 2203007-008ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range Client ID: BH-161 Batch ID: 65884 RunNo: 86205 Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038339 Units: mg/Kg SPK value SPK Ref Val %REC %RPD **RPDLimit** Analyte Result POI LowLimit HighLimit Qual

Gasoline Range Organics (GRO) 28 5.0 24.80 0 111 70 130 Surr: BFB 1200 992.1 123 70 130

Sample ID: 2203007-008amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range Client ID: BH-161 Batch ID: 65884 RunNo: 86205

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038340 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual Gasoline Range Organics (GRO) 29 5.0 0 118 70 20 24.85 130 6.48 Surr: BFB 1200 994.0 121 70 130 0 0

Sample ID: Ics-65876 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range Client ID: LCSS Batch ID: 65876 RunNo: 86209 Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038608 Units: mg/Kg Result **PQL** SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 27 5.0 0 78.6 25.00 108 131 Surr: BFB 1100 1000 114 70 130

Sample ID: mb-65876 TestCode: EPA Method 8015D: Gasoline Range SampType: MBLK Client ID: PBS Batch ID: 65876 RunNo: 86209 Prep Date: 3/1/2022 Units: mg/Kg Analysis Date: 3/2/2022 SeqNo: 3038609

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

#### Qualifiers:

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

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Qual

#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203007** *10-Mar-22* 

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65876 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65876 RunNo: 86209

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038609 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 102 70 130

#### Qualifiers:

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

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#### Hall Environmental Analysis Laboratory, Inc.

WO#: **2203007** 10-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65884 SampType: MBLK TestCode: EPA Method 8021B: Volatiles

Client ID: PBS Batch ID: 65884 RunNo: 86205

Prep Date: 3/1/2022 Analysis Date: 3/3/2022 SeqNo: 3038373 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Benzene ND 0.025

 Toluene
 ND
 0.050

 Ethylbenzene
 ND
 0.050

 Xylenes, Total
 ND
 0.10

 Surr: 4-Bromofluorobenzene
 1.1
 1.000
 105
 70
 130

Sample ID: LCS-65884 SampType: LCS TestCode: EPA Method 8021B: Volatiles

Client ID: LCSS Batch ID: 65884 RunNo: 86205

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038374 Units: mg/Kg

Frep Date. 3/1/2022	Allalysis	Jaie. 3/	2/2022		beqivo. 3	030374	Office. Hig/r	<b>.</b> 9		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	0.97	0.050	1.000	0	97.1	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.5	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.9	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

Sample ID: 2203007-009ams SampType: MS TestCode: EPA Method 8021B: Volatiles

Client ID: BH-162 Batch ID: 65884 RunNo: 86205

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038377 Units: mg/Kg

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

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPI
Benzene	1.0	0.12	0.9814	0	104	80	120		
Toluene	1.1	0.25	0.9814	0	112	80	120		
Ethylbenzene	1.1	0.25	0.9814	0	115	80	120		
Xylenes, Total	3.4	0.49	2.944	0	116	80	120		
Surr: 4-Bromofluorobenzene	5.0		4.907		102	70	130		

Sample ID: 2203007-009amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles

Client ID: **BH-162** Batch ID: **65884** RunNo: **86205** 

Prep Date: 3/1/2022	Analysis D	ate: 3/	2/2022	S	SeqNo: 3	038378	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.12	0.9833	0	98.7	80	120	4.70	20	
Toluene	1.1	0.25	0.9833	0	109	80	120	2.51	20	
Ethylbenzene	1.1	0.25	0.9833	0	112	80	120	2.80	20	
Xylenes, Total	3.3	0.49	2.950	0	112	80	120	3.39	20	
Surr: 4-Bromofluorobenzene	4.9		4.916		101	70	130	0	0	

#### Qualifiers:

Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quanitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203007** 

10-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-65876	•	SampType: LCS  Batch ID: 65876			tCode: El					
Client ID: LCSS	Batcl	h ID: <b>65</b> 8	376	F	RunNo: 8	6209				
Prep Date: 3/1/2022	Analysis D	Date: 3/	2/2022	S	SeqNo: 3	038661	Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.5	80	120	•		
Toluene	0.96	0.050	1.000	0	96.3	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.5	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.5	70	130			

Sample ID: mb-65876	Sampl	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: <b>65</b>	876	F	RunNo: 8	6209				
Prep Date: 3/1/2022	Analysis D	Date: 3/	2/2022	8	SeqNo: 3	038662	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	0.89		1.000		88.8	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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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

Website: clients.hallenvironmental.com

# Sample Log-In Check List

ENVIRONMENTAL ANALYSIS LABORATORY

Client Name: GHD	Work Order Number:	220	3007			RcptNo: 1	
Received By: Tracy Casarrubias	3/1/2022 7:50:00 AM						
Completed By: Tracy Casarrubias	3/1/2022 8:47:26 AM						
Reviewed By: WA 3/1/2							
Chain of Custody							
Is Chain of Custody complete?		Yes	~	No		Not Present	
2. How was the sample delivered?		Cou				3-10-10-10-10-10-10-10-10-10-10-10-10-10-	
Log In							
3. Was an attempt made to cool the samples?		Yes	V	No		NA 🗆	
4. Were all samples received at a temperature o	f >0° C to 6.0°C	Yes	V	No		NA 🗆	
5. Sample(s) in proper container(s)?		Yes	V	No			
<ol> <li>Sufficient sample volume for indicated test(s)?</li> </ol>		Yes	<b>V</b>	No			
7. Are samples (except VOA and ONG) properly	preserved?	Yes	V	No			
3. Was preservative added to bottles?		Yes		No	<b>V</b>	NA 🗌	
9. Received at least 1 vial with headspace <1/4"	for AQ VOA?	Yes		No		NA 🗹	
0. Were any sample containers received broken	?	Yes		No	<b>V</b>		
1 Door papaguark market falls 1 to 1 a						# of preserved bottles checked	
Does paperwork match bottle labels?     (Note discrepancies on chain of custody)		Yes	<b>V</b>	No	Ц	for pH: (<2 or >12 unless no	(bot
Are matrices correctly identified on Chain of C	ustody?	Yes	<b>V</b>	No		Adjusted?	(eu)
3. Is it clear what analyses were requested?			~				
4. Were all holding times able to be met? (If no, notify customer for authorization.)	1	Yes	<b>V</b>	No		Checked by: JR 31	2.
pecial Handling (if applicable)							
5. Was client notified of all discrepancies with th	s order?	Yes		No		NA 🗹	
Person Notified:	Date:				_		
By Whom:	Via:	eMa	il 🗆 li	Phone 🗍	Fax	In Person	
Regarding:					7 -212	E 11.1 21.441	
Client Instructions:		_			_		
3. Additional remarks:							
7. <u>Cooler Information</u> Cooler No Temp °C Condition Sea	I Intact Seal No Se	al Da		Signed E			

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

March 09, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

**FAX** 

RE: Jackson AT Battery OrderNo.: 2203001

#### Dear Tom Larson:

Hall Environmental Analysis Laboratory received 10 sample(s) on 3/1/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2203001**Date Reported: **3/9/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-171

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 8:00:00 AM

 Lab ID:
 2203001-001
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	470	60	mg/Kg	20	3/4/2022 1:40:35 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/2/2022 11:26:16 PM	65875
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/2/2022 11:26:16 PM	65875
Surr: DNOP	85.8	51.1-141	%Rec	1	3/2/2022 11:26:16 PM	65875
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/2/2022 9:43:00 AM	65871
Surr: BFB	103	70-130	%Rec	1	3/2/2022 9:43:00 AM	65871
<b>EPA METHOD 8021B: VOLATILES</b>					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	3/2/2022 9:43:00 AM	65871
Toluene	ND	0.049	mg/Kg	1	3/2/2022 9:43:00 AM	65871
Ethylbenzene	ND	0.049	mg/Kg	1	3/2/2022 9:43:00 AM	65871
Xylenes, Total	ND	0.099	mg/Kg	1	3/2/2022 9:43:00 AM	65871
Surr: 4-Bromofluorobenzene	89.7	70-130	%Rec	1	3/2/2022 9:43:00 AM	65871

Refer to the QC Summary 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 2203001

Date Reported: 3/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-172

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 8:10:00 AM

 Lab ID:
 2203001-002
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	920	60	mg/Kg	20	3/4/2022 2:17:47 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	41	9.2	mg/Kg	1	3/2/2022 11:37:06 PM	65875
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/2/2022 11:37:06 PM	65875
Surr: DNOP	93.6	51.1-141	%Rec	1	3/2/2022 11:37:06 PM	65875
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/2/2022 10:42:00 AM	65871
Surr: BFB	107	70-130	%Rec	1	3/2/2022 10:42:00 AM	65871
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	3/2/2022 10:42:00 AM	65871
Toluene	ND	0.049	mg/Kg	1	3/2/2022 10:42:00 AM	65871
Ethylbenzene	ND	0.049	mg/Kg	1	3/2/2022 10:42:00 AM	65871
Xylenes, Total	ND	0.098	mg/Kg	1	3/2/2022 10:42:00 AM	65871
Surr: 4-Bromofluorobenzene	92.1	70-130	%Rec	1	3/2/2022 10:42:00 AM	65871

Refer to the QC Summary 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 Order **2203001**Date Reported: **3/9/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-173

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 8:20:00 AM

 Lab ID:
 2203001-003
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	800	60	mg/Kg	20	3/4/2022 2:30:11 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	15	9.6	mg/Kg	1	3/3/2022 11:46:01 PM	65875
Motor Oil Range Organics (MRO)	58	48	mg/Kg	1	3/3/2022 11:46:01 PM	65875
Surr: DNOP	124	51.1-141	%Rec	1	3/3/2022 11:46:01 PM	65875
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/2/2022 11:41:00 AM	65871
Surr: BFB	101	70-130	%Rec	1	3/2/2022 11:41:00 AM	65871
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	3/2/2022 11:41:00 AM	65871
Toluene	ND	0.049	mg/Kg	1	3/2/2022 11:41:00 AM	65871
Ethylbenzene	ND	0.049	mg/Kg	1	3/2/2022 11:41:00 AM	65871
Xylenes, Total	ND	0.098	mg/Kg	1	3/2/2022 11:41:00 AM	65871
Surr: 4-Bromofluorobenzene	87.3	70-130	%Rec	1	3/2/2022 11:41:00 AM	65871

Refer to the QC Summary 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 Order **2203001**Date Reported: **3/9/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-174

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 8:30:00 AM

 Lab ID:
 2203001-004
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	650	60	mg/Kg	20	3/4/2022 2:42:36 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	8.6	mg/Kg	1	3/2/2022 11:58:42 PM	65875
Motor Oil Range Organics (MRO)	ND	43	mg/Kg	1	3/2/2022 11:58:42 PM	65875
Surr: DNOP	91.4	51.1-141	%Rec	1	3/2/2022 11:58:42 PM	65875
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/2/2022 12:01:00 PM	65871
Surr: BFB	104	70-130	%Rec	1	3/2/2022 12:01:00 PM	65871
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	3/2/2022 12:01:00 PM	65871
Toluene	ND	0.048	mg/Kg	1	3/2/2022 12:01:00 PM	65871
Ethylbenzene	ND	0.048	mg/Kg	1	3/2/2022 12:01:00 PM	65871
Xylenes, Total	ND	0.097	mg/Kg	1	3/2/2022 12:01:00 PM	65871
Surr: 4-Bromofluorobenzene	88.7	70-130	%Rec	1	3/2/2022 12:01:00 PM	65871

Refer to the QC Summary 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 Order **2203001** 

Date Reported: 3/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-175

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 8:40:00 AM

 Lab ID:
 2203001-005
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL (	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	1000	60	mg/Kg	20	3/4/2022 3:19:49 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	140	9.1	mg/Kg	1	3/4/2022 3:15:30 PM	65910
Motor Oil Range Organics (MRO)	300	45	mg/Kg	1	3/4/2022 3:15:30 PM	65910
Surr: DNOP	83.3	51.1-141	%Rec	1	3/4/2022 3:15:30 PM	65910
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/2/2022 12:21:00 PM	65871
Surr: BFB	102	70-130	%Rec	1	3/2/2022 12:21:00 PM	65871
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	3/2/2022 12:21:00 PM	65871
Toluene	ND	0.048	mg/Kg	1	3/2/2022 12:21:00 PM	65871
Ethylbenzene	ND	0.048	mg/Kg	1	3/2/2022 12:21:00 PM	65871
Xylenes, Total	ND	0.096	mg/Kg	1	3/2/2022 12:21:00 PM	65871
Surr: 4-Bromofluorobenzene	88.8	70-130	%Rec	1	3/2/2022 12:21:00 PM	65871

Refer to the QC Summary 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 Order **2203001**Date Reported: **3/9/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-27

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 9:30:00 AM

 Lab ID:
 2203001-006
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	590	60	mg/Kg	20	3/4/2022 3:32:13 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	3/3/2022 2:58:01 PM	65910
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	3/3/2022 2:58:01 PM	65910
Surr: DNOP	82.2	51.1-141	%Rec	1	3/3/2022 2:58:01 PM	65910
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	3/2/2022 12:40:00 PM	65871
Surr: BFB	104	70-130	%Rec	1	3/2/2022 12:40:00 PM	65871
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	3/2/2022 12:40:00 PM	65871
Toluene	ND	0.049	mg/Kg	1	3/2/2022 12:40:00 PM	65871
Ethylbenzene	ND	0.049	mg/Kg	1	3/2/2022 12:40:00 PM	65871
Xylenes, Total	ND	0.097	mg/Kg	1	3/2/2022 12:40:00 PM	65871
Surr: 4-Bromofluorobenzene	88.6	70-130	%Rec	1	3/2/2022 12:40:00 PM	65871

Refer to the QC Summary 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

ple pH Not In Range
Outling Limit Page 6 of 15

Lab Order **2203001**Date Reported: **3/9/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-28

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 9:40:00 AM

 Lab ID:
 2203001-007
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	650	60	mg/Kg	20	3/4/2022 3:44:38 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/3/2022 3:24:30 PM	65910
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	3/3/2022 3:24:30 PM	65910
Surr: DNOP	111	51.1-141	%Rec	1	3/3/2022 3:24:30 PM	65910
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/2/2022 1:00:00 PM	65871
Surr: BFB	106	70-130	%Rec	1	3/2/2022 1:00:00 PM	65871
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	3/2/2022 1:00:00 PM	65871
Toluene	ND	0.050	mg/Kg	1	3/2/2022 1:00:00 PM	65871
Ethylbenzene	ND	0.050	mg/Kg	1	3/2/2022 1:00:00 PM	65871
Xylenes, Total	ND	0.10	mg/Kg	1	3/2/2022 1:00:00 PM	65871
Surr: 4-Bromofluorobenzene	89.8	70-130	%Rec	1	3/2/2022 1:00:00 PM	65871

Refer to the QC Summary 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 Order **2203001**Date Reported: **3/9/2022** 

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-29

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 9:50:00 AM

 Lab ID:
 2203001-008
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: LRN
Chloride	270	60	mg/Kg	20	3/4/2022 3:57:02 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/3/2022 3:35:39 PM	65910
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/3/2022 3:35:39 PM	65910
Surr: DNOP	76.4	51.1-141	%Rec	1	3/3/2022 3:35:39 PM	65910
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/2/2022 1:20:00 PM	65871
Surr: BFB	101	70-130	%Rec	1	3/2/2022 1:20:00 PM	65871
EPA METHOD 8021B: VOLATILES					Analyst	:: RAA
Benzene	ND	0.025	mg/Kg	1	3/2/2022 1:20:00 PM	65871
Toluene	ND	0.050	mg/Kg	1	3/2/2022 1:20:00 PM	65871
Ethylbenzene	ND	0.050	mg/Kg	1	3/2/2022 1:20:00 PM	65871
Xylenes, Total	ND	0.099	mg/Kg	1	3/2/2022 1:20:00 PM	65871
Surr: 4-Bromofluorobenzene	89.8	70-130	%Rec	1	3/2/2022 1:20:00 PM	65871

Refer to the QC Summary 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:** GHD Midland

#### **Analytical Report**

Lab Order **2203001** 

Date Reported: 3/9/2022

## Hall Environmental Analysis Laboratory, Inc.

Client Sample ID: SW-30

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 10:00:00 AM

 Lab ID:
 2203001-009
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	450	60	mg/Kg	20	3/4/2022 4:09:27 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	ND	9.3	mg/Kg	1	3/3/2022 3:46:49 PM	65910
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/3/2022 3:46:49 PM	65910
Surr: DNOP	108	51.1-141	%Rec	1	3/3/2022 3:46:49 PM	65910
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/2/2022 1:39:00 PM	65871
Surr: BFB	106	70-130	%Rec	1	3/2/2022 1:39:00 PM	65871
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.024	mg/Kg	1	3/2/2022 1:39:00 PM	65871
Toluene	ND	0.048	mg/Kg	1	3/2/2022 1:39:00 PM	65871
Ethylbenzene	ND	0.048	mg/Kg	1	3/2/2022 1:39:00 PM	65871
Xylenes, Total	ND	0.097	mg/Kg	1	3/2/2022 1:39:00 PM	65871
Surr: 4-Bromofluorobenzene	91.5	70-130	%Rec	1	3/2/2022 1:39:00 PM	65871

Refer to the QC Summary 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 Order **2203001** 

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/9/2022

CLIENT: GHD Midland Client Sample ID: SW-31

 Project:
 Jackson AT Battery
 Collection Date: 2/25/2022 10:10:00 AM

 Lab ID:
 2203001-010
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	:: LRN
Chloride	230	60	mg/Kg	20	3/4/2022 4:21:51 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	:: SB
Diesel Range Organics (DRO)	ND	9.2	mg/Kg	1	3/3/2022 3:57:59 PM	65910
Motor Oil Range Organics (MRO)	ND	46	mg/Kg	1	3/3/2022 3:57:59 PM	65910
Surr: DNOP	103	51.1-141	%Rec	1	3/3/2022 3:57:59 PM	65910
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	5.0	mg/Kg	1	3/2/2022 1:59:00 PM	65871
Surr: BFB	108	70-130	%Rec	1	3/2/2022 1:59:00 PM	65871
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.025	mg/Kg	1	3/2/2022 1:59:00 PM	65871
Toluene	ND	0.050	mg/Kg	1	3/2/2022 1:59:00 PM	65871
Ethylbenzene	ND	0.050	mg/Kg	1	3/2/2022 1:59:00 PM	65871
Xylenes, Total	ND	0.099	mg/Kg	1	3/2/2022 1:59:00 PM	65871
Surr: 4-Bromofluorobenzene	93.1	70-130	%Rec	1	3/2/2022 1:59:00 PM	65871

Refer to the QC Summary 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

pipe pri Not in Range
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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203001** 

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65960 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: **PBS** Batch ID: **65960** RunNo: **86255** 

Prep Date: 3/4/2022 Analysis Date: 3/4/2022 SeqNo: 3041604 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65960 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65960 RunNo: 86255

Prep Date: 3/4/2022 Analysis Date: 3/4/2022 SeqNo: 3041605 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 92.9 90 110

#### Qualifiers:

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

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# Hall Environmental Analysis Laboratory, Inc.

ND

9.0

50

10.00

WO#: **2203001** 

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65875	SampT	ype: LC	S	Tes	tCode: EP	A Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: <b>65</b>	875	F	RunNo: <b>86</b>	3180				
Prep Date: 3/1/2022	Analysis D	ate: 3/	2/2022	9	SeqNo: 30	38793	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	68.9	135			
Surr: DNOP	5.1		5.000		103	51.1	141			
Sample ID: MB-65875	SampT	уре: М	BLK	Tes	tCode: EP	A Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: <b>65</b>	875	F	RunNo: <b>86</b>	6180				
Prep Date: 3/1/2022	Analysis D	ate: 3/	2/2022	8	SeqNo: 30	38795	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	51.1	141			
Sample ID: LCS-65910	SampT	ype: <b>LC</b>	s	Tes	tCode: EP	A Method	8015M/D: Di	esel Rang	e Organics	
Client ID: LCSS	Batch	ID: <b>65</b>	910	F	RunNo: <b>86</b>	<b>5217</b>				
Prep Date: 3/2/2022	Analysis D	ate: 3/	3/2022	8	SeqNo: 30	39861	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.2	68.9	135			
Surr: DNOP	4.2		5.000		83.1	51.1	141			
Sample ID: <b>MB-65910</b>	SampT	уре: М	BLK	Tes	tCode: EP	PA Method	8015M/D: Di	esel Rang	e Organics	
Client ID: PBS	Batch	ID: <b>65</b>	910	F	RunNo: <b>86</b>	5217				
Prep Date: 3/2/2022	Analysis D	ate: 3/	3/2022	5	SeqNo: 30	39864	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								

Sample ID: 2203001-005AMS	SampT	ype: MS	6	Tes	tCode: <b>El</b>	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: BH-175	Batch	1D: <b>65</b> 9	910	F	RunNo: 8	6243				
Prep Date: 3/2/2022	Analysis D	ate: 3/	4/2022	8	SeqNo: 3	041570	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	180	9.6	47.89	139.9	75.9	39.3	155			
Surr: DNOP	4.5		4.789		93.7	51.1	141			

### Qualifiers:

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

Motor Oil Range Organics (MRO)

Surr: DNOP

- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- PQL Practical Quanitative Limit
- S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

90.2

51.1

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203001** 

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2203001-005AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **BH-175** Batch ID: **65910** RunNo: **86243** 

Prep Date: 3/2/2022 Analysis Date: 3/4/2022 SeqNo: 3041571 Units: mg/Kg

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	150	9.5	47.39	139.9	22.7	39.3	155	15.7	23.4	S
Surr: DNOP	4.7		4.739		99.6	51.1	141	0	0	

## Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: 2203001 09-Mar-22

**Client:** GHD Midland **Project:** Jackson AT Battery

Sample ID: Ics-65871 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65871 RunNo: 86209

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038584 Units: mq/Kq

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result LowLimit Qual 0 Gasoline Range Organics (GRO) 28 5.0 25.00 112 78.6 131 Surr: BFB 1200 1000 116 130

Sample ID: mb-65871 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65871 RunNo: 86209

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038585 Units: mg/Kg

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

Surr: BFB 1000 70 1000 103 130 Sample ID: 2203001-001ams SampType: MS TestCode: EPA Method 8015D: Gasoline Range

Client ID: BH-171 Batch ID: 65871 RunNo: 86209

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038587 Units: mg/Kg

Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte PQL LowLimit Qual Gasoline Range Organics (GRO) 28 4.9 24.61 0 115 70 130 Surr: BFB 1200 984.3 127 70 130

Sample ID: 2203001-001amsd SampType: MSD TestCode: EPA Method 8015D: Gasoline Range

Client ID: BH-171 Batch ID: 65871 RunNo: 86209

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038588 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual Gasoline Range Organics (GRO) 32 5.0 24.90 128 70 11.2 n 130 20 Surr: BFB 1300 996.0 126 70 130 0 0

## Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203001** 

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-65871 Client ID: LCSS		Гуре: <b>LC</b> h ID: <b>65</b> 8			tCode: El		8021B: Vola	tiles		
Prep Date: 3/1/2022	Analysis D	Date: <b>3/</b> 3	2/2022	S	SeqNo: 3	038637	Units: mg/k	ζg		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.8	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.6	70	130			

Sample ID: mb-65871	Samp1	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: PBS	Batcl	h ID: <b>65</b>	871	F	RunNo: 8	6209				
Prep Date: 3/1/2022	Analysis D	Date: 3/	2/2022	8	SeqNo: 3	038638	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	0.92		1.000		91.5	70	130			

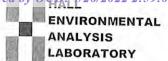
Sample ID: 2203001-002ams	Samp	Гуре: М	3	Tes	tCode: El	PA Method	8021B: Vola	tiles		
Client ID: BH-172	Batc	h ID: <b>65</b> 8	871	F	RunNo: 8	6209				
Prep Date: 3/1/2022	Analysis [	Date: 3/	2/2022	S	SeqNo: 3	038641	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9756	0	97.0	80	120			
Toluene	0.99	0.049	0.9756	0	101	80	120			
Ethylbenzene	1.0	0.049	0.9756	0	103	80	120			
Xylenes, Total	3.0	0.098	2.927	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.86		0.9756		87.9	70	130			

Sample ID: 2203001-002amsd	SampT	ype: MS	SD.	Tes	tCode: El	PA Method	8021B: Volat	iles		
Client ID: BH-172	Batch	1D: <b>65</b> 8	<b>371</b>	F	RunNo: 8	6209				
Prep Date: 3/1/2022	Analysis D	ate: <b>3/</b> 2	2/2022	S	SeqNo: 3	038642	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.024	0.9407	0	83.8	80	120	18.1	20	
Toluene	0.80	0.047	0.9407	0	85.4	80	120	20.7	20	R
Ethylbenzene	0.83	0.047	0.9407	0	87.8	80	120	19.5	20	
Xylenes, Total	2.5	0.094	2.822	0	87.4	80	120	19.3	20	
Surr: 4-Bromofluorobenzene	0.84		0.9407		89.2	70	130	0	0	

## Qualifiers:

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

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

# Sample Log-In Check List

Website: clients.hallenvironmental.com Client Name: GHD Midland Work Order Number: 2203001 RcptNo: 1 Received By: Tracy Casarrubias 3/1/2022 7:50:00 AM Completed By: Sean Livingston 3/1/2022 8:11:21 AM - Losota Reviewed By: 11/22 Chain of Custody 1. Is Chain of Custody complete? Yes V No | Not Present 2. How was the sample delivered? Courier Log In 3. Was an attempt made to cool the samples? Yes V No 🗌 NA 🗌 4. Were all samples received at a temperature of >0° C to 6.0°C No 🗌 Yes V NA 🗌 Sample(s) in proper container(s)? Yes 🗸 No 🗌 6. Sufficient sample volume for indicated test(s)? Yes V No 🗌 7. Are samples (except VOA and ONG) properly preserved? Yes V No 🗌 8. Was preservative added to bottles? Yes No V NA 🗌 9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes No 🗌 NA V 10. Were any sample containers received broken? Yes No V # of preserved bottles checked 11. Does paperwork match bottle labels? Yes V No 🗌 for pH: (Note discrepancies on chain of custody) (<2 or >12 unless noted) 12. Are matrices correctly identified on Chain of Custody? No [ Adjusted? Yes 🗸 13. Is it clear what analyses were requested? V No 🗌 Yes 14. Were all holding times able to be met? Yes 🗸 No 🗌 (If no, notify customer for authorization.) Special Handling (if applicable) 15. Was client notified of all discrepancies with this order? Yes No 🗌 NA V Person Notified: Date: By Whom: eMail Phone Fax In Person Regarding: Client Instructions: 16. Additional remarks: 17. Cooler Information Cooler No Condition Temp °C Seal Intact Seal No Seal Date Signed By 5.4 Good

Page 1 of 1

	Turn-Around Time:	Re
Client: GHD		
	Standard M. Rush S-DE	
Meilie A : :	Project Name:	AINALYSIS LABORATORY
Malling Address:		
324 W. Main St. Suite 108, Artesia NM 88210	Project #:	37109
Phone #: (505)377-4218	9	
email or Fax#: Becky. Haskell@ahd.com	Design 11227524	Request
QA/QC Package:	rioject Manager:	\(\frac{1}{2}\)
☐ Standard ☐ Level 4 (Full Validation)	Becky Haskell	SW S,8:
Accreditation:	5	PO PPO
□ Other		1) ZS2(0, 2) (1) ZS2(0, 2) Z
	# of Coolers: 1	38/86 504. 8 3 10 8 3 10 8 4. 8 4. 8 4. 8 4. 8 4. 8 4. 8 4. 8 6. 8 6. 8 6. 8 6. 8 6. 8 6. 8 6. 8 6
***	Cooler Temp(including cr): 5.5-0.1= 5.4	D(G ioide ioide iotal iotal iotal iotal
	13167	Pest Netling N
Date Time Matrix Sample Name	# Type	20 (/) 20 (8) 20 (/) 20 (8) 20 (/) 20 (8) 20 (/) 20 (8) 20 (/) 20 (8) 20 (/) 20 (8) 20 (/) 20 (8) 20
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C200	100	S. S
100	7.00	
	500	
	546	
134.125	700	
630	60	
0340	500	
1 - 1	400	
300	1,000	
5	U)C	
SW-31	010	4
Date: Time: Relinquished by:	Received by: Via: Date Time	
Date: Time: Relinquished by:	Hespe	Kemarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com
Taling Clear Complex submitted to will Find	veceived by: Via: Go Date Time	lle
or named successful and the contraction of the subcontracted to other accredited laboratories.	N .	
		of 45.
		9



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

March 09, 2022

Tom Larson GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

**FAX** 

RE: Jackson AT Battery OrderNo.: 2203003

### Dear Tom Larson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/1/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

# Analytical Report Lab Order 2203003

Date Reported: 3/9/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: BH-100A

 Project:
 Jackson AT Battery
 Collection Date: 2/28/2022 10:10:00 AM

 Lab ID:
 2203003-001
 Matrix: SOIL
 Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	680	60	mg/Kg	20	3/7/2022 6:20:49 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst	: SB
Diesel Range Organics (DRO)	170	9.3	mg/Kg	1	3/7/2022 11:44:01 AM	65926
Motor Oil Range Organics (MRO)	130	46	mg/Kg	1	3/7/2022 11:44:01 AM	65926
Surr: DNOP	76.4	51.1-141	%Rec	1	3/7/2022 11:44:01 AM	65926
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.8	mg/Kg	1	3/3/2022 1:47:00 AM	65876
Surr: BFB	99.1	70-130	%Rec	1	3/3/2022 1:47:00 AM	65876
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.12	mg/Kg	5	3/3/2022 1:47:00 AM	65876
Toluene	ND	0.24	mg/Kg	5	3/3/2022 1:47:00 AM	65876
Ethylbenzene	ND	0.24	mg/Kg	5	3/3/2022 1:47:00 AM	65876
Xylenes, Total	ND	0.48	mg/Kg	5	3/3/2022 1:47:00 AM	65876
Surr: 4-Bromofluorobenzene	88.5	70-130	%Rec	5	3/3/2022 1:47:00 AM	65876

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

Qualifiers:

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

Page 1 of 5

## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203003** 

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65998 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 65998 RunNo: 86300

Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3043174 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-65998 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 65998 RunNo: 86300

Prep Date: 3/7/2022 Analysis Date: 3/7/2022 SeqNo: 3043175 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.5 90 110

#### Qualifiers:

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

Page 2 of 5

## Hall Environmental Analysis Laboratory, Inc.

09-Mar-22

2203003

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65926 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: LCSS Batch ID: 65926 RunNo: 86243

Prep Date: 3/3/2022 Analysis Date: 3/4/2022 SeqNo: 3040887 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit Diesel Range Organics (DRO) 10 0 47 50.00 94.0 68.9 135 Surr: DNOP 4.1 5.000 82.7 51.1 141

Sample ID: MB-65926 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics

Client ID: **PBS** Batch ID: **65926** RunNo: **86243** 

Prep Date: 3/3/2022 Analysis Date: 3/4/2022 SeqNo: 3040889 Units: mg/Kg

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Diesel Range Organics (DRO) ND 10

Motor Oil Range Organics (MRO) ND 50

Surr: DNOP 8.8 10.00 88.4 51.1 141

### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

0#: 2203003 09-Mar-22

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-65876 SampType: LCS TestCode: EPA Method 8015D: Gasoline Range

Client ID: LCSS Batch ID: 65876 RunNo: 86209

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038608 Units: mg/Kg

PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 0 Gasoline Range Organics (GRO) 27 5.0 25.00 108 78.6 131

Surr: BFB 1100 1000 114 70 130

Sample ID: mb-65876 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 65876 RunNo: 86209

Prep Date: 3/1/2022 Analysis Date: 3/2/2022 SeqNo: 3038609 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 102 70 130

#### Qualifiers:

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

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# Hall Environmental Analysis Laboratory, Inc.

WO#: **2203003** 

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

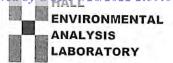
Sample ID: Ics-65876 Client ID: LCSS	SampType: LCS Batch ID: 65876				tCode: El RunNo: 8	tiles				
Prep Date: 3/1/2022	Analysis D	Date: 3/	2/2022	S	SeqNo: 3	038661	Units: mg/k	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.5	80	120			
Toluene	0.96	0.050	1.000	0	96.3	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.5	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.5	70	130			

Sample ID: mb-65876	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8021B: Volat	tiles		
Client ID: PBS	Batcl	n ID: <b>65</b>	876	F	RunNo: 8	6209				
Prep Date: 3/1/2022	Analysis D	Date: 3/	2/2022	8	SeqNo: 3	038662	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	0.89		1.000		88.8	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
- B Analyte detected in the associated Method Blank
- E Estimated value
- J Analyte detected below quantitation limits
- P Sample pH Not In Range
- RL Reporting Limit

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Hall Environmental Analysis Laboratory 4901 Hawkins NE Albuquerque, NM 87109

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

# Sample Log-In Check List

Completed By: Sean I Reviewed By: J(   Chain of Custody  1. Is Chain of Custody co  2. How was the sample of  Log In  3. Was an attempt made  4. Were all samples received  5. Sample(s) in proper co	delivered?  to cool the samples?  ived at a temperature		Yes Cou	. ✓ urier	S, No		Not Present	
Chain of Custody  1. Is Chain of Custody co  2. How was the sample of  Log In  3. Was an attempt made  4. Were all samples receives  5. Sample(s) in proper co	mplete? delivered? to cool the samples? ived at a temperature		Yes <u>Cou</u>	<u>ırier</u>			Not Present	
Chain of Custody  1. Is Chain of Custody co  2. How was the sample of  Log In  3. Was an attempt made  4. Were all samples receives  5. Sample(s) in proper co	omplete? delivered? to cool the samples? ived at a temperature		Yes <u>Cou</u>	<u>ırier</u>			Not Present	
Is Chain of Custody co     How was the sample of     Log In     Was an attempt made     Were all samples receives     Sample(s) in proper co	delivered?  to cool the samples?  ived at a temperature		Cou	<u>ırier</u>			Not Present	
<ul> <li>2. How was the sample of Log In</li> <li>3. Was an attempt made</li> <li>4. Were all samples received</li> <li>5. Sample(s) in proper contents</li> </ul>	delivered?  to cool the samples?  ived at a temperature		Cou	<u>ırier</u>			Not Present	
Log In  3. Was an attempt made  4. Were all samples receives  5. Sample(s) in proper co	to cool the samples?				No			
<ol> <li>Was an attempt made</li> <li>Were all samples recei</li> <li>Sample(s) in proper co</li> </ol>	ived at a temperature		Yes	<b>V</b>	No			
4. Were all samples recei 5. Sample(s) in proper co	ived at a temperature		Yes	~	No			
5. Sample(s) in proper co		of >0° C to 6.0°C			10.2		NA 🗆	
	ontainer(s)?		Yes	V	No		NA 🗆	
S Sufficient cample value			Yes	V	No			
3. Sumcient sample volun	ne for indicated test(s	)?	Yes	<b>V</b>	No			
7. Are samples (except V	OA and ONG) properl	y preserved?	Yes	<b>✓</b>	No			
3. Was preservative adde	d to bottles?		Yes		No	<b>V</b>	NA 🗌	
9. Received at least 1 vial	with headspace <1/4	" for AQ VOA?	Yes		No		NA 🗹	
Were any sample cont.	ainers received broke	n?	Yes		No	<b>V</b>	# of preserved	/
Does paperwork match     (Note discrepancies on			Yes	V	No		bottles checked for pH:	>12 unless noted)
2. Are matrices correctly in		Custody?	Yes	<b>V</b>	No		Adjusted?	
3. Is it clear what analyses			Yes	V	No			100 × -1
<ol> <li>Were all holding times a (If no, notify customer for</li> </ol>			Yes	<b>V</b>	No		Checked by:	VG 9 3/1
pecial Handling (if a	applicable)							KDG 3/1/22
5. Was client notified of a	III discrepancies with t	this order?	Yes		No		NA 🗹	
Person Notified:		Date:				-		
By Whom:		Via:	□ еМ	ail 🗌 F	hone [	Fax	☐ In Person	
Regarding:								
Client Instruction	s:							
6. Additional remarks:								
7. Cooler Information								
Cooler No Temp	°C Condition Se	eal Intact   Seal No	Seal D	ate	Signed I	Ву		



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

March 15, 2022

Becky Haskell GHD Midland 2135 S Loop 250 W Midland, TX 79703

TEL: (432) 686-0086

**FAX** 

RE: Jackson AT Battery OrderNo.: 2203657

## Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/11/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

Andy Freeman

Laboratory Manager

Indes

4901 Hawkins NE

Albuquerque, NM 87109

Lab Order **2203657** 

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-4B

 Project:
 Jackson AT Battery
 Collection Date: 3/10/2022 10:00:00 AM

 Lab ID:
 2203657-001
 Matrix: MEOH (SOIL)
 Received Date: 3/11/2022 8:00:00 AM

Result **POL Oual Units DF** Date Analyzed **Batch** Analyses **EPA METHOD 300.0: ANIONS** Analyst: LRN Chloride 120 60 mg/Kg 20 3/11/2022 10:43:53 AM 66119 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: TOM Diesel Range Organics (DRO) 13 9.7 mg/Kg 3/11/2022 10:39:02 AM 66112 Motor Oil Range Organics (MRO) 3/11/2022 10:39:02 AM 66112 59 mg/Kg 1 49 Surr: DNOP 78.4 3/11/2022 10:39:02 AM 66112 51.1-141 %Rec **EPA METHOD 8015D: GASOLINE RANGE** Analyst: RAA 3/11/2022 10:56:00 AM 66069 Gasoline Range Organics (GRO) ND 4.5 mg/Kg Surr: BFB 104 %Rec 3/11/2022 10:56:00 AM 66069 70-130 **EPA METHOD 8021B: VOLATILES** Analyst: RAA ND 3/11/2022 10:56:00 AM 66069 Benzene 0.023 mg/Kg Toluene ND 0.045 mg/Kg 3/11/2022 10:56:00 AM 66069 Ethylbenzene ND 0.045 mg/Kg 3/11/2022 10:56:00 AM 66069 Xylenes, Total ND 0.091 mg/Kg 3/11/2022 10:56:00 AM 66069 Surr: 4-Bromofluorobenzene 88.2 70-130 3/11/2022 10:56:00 AM 66069 %Rec

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

Qualifiers:

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

Page 1 of 8

Lab Order 2203657

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 3/15/2022

CLIENT: GHD Midland Client Sample ID: SW-6B

 Project:
 Jackson AT Battery
 Collection Date: 3/10/2022 10:30:00 AM

 Lab ID:
 2203657-002
 Matrix: MEOH (SOIL)
 Received Date: 3/11/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analys	:: LRN
Chloride	110	60	mg/Kg	20	3/11/2022 10:56:14 AM	l 66119
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analys	:: ТОМ
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	3/11/2022 10:52:31 AM	66112
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	3/11/2022 10:52:31 AM	66112
Surr: DNOP	70.1	51.1-141	%Rec	1	3/11/2022 10:52:31 AM	66112
EPA METHOD 8015D: GASOLINE RANGE					Analys	:: RAA
Gasoline Range Organics (GRO)	ND	3.9	mg/Kg	1	3/11/2022 11:15:00 AM	66069
Surr: BFB	106	70-130	%Rec	1	3/11/2022 11:15:00 AM	66069
EPA METHOD 8021B: VOLATILES					Analys	: RAA
Benzene	ND	0.019	mg/Kg	1	3/11/2022 11:15:00 AM	66069
Toluene	ND	0.039	mg/Kg	1	3/11/2022 11:15:00 AM	66069
Ethylbenzene	ND	0.039	mg/Kg	1	3/11/2022 11:15:00 AM	66069
Xylenes, Total	ND	0.077	mg/Kg	1	3/11/2022 11:15:00 AM	66069
Surr: 4-Bromofluorobenzene	89.1	70-130	%Rec	1	3/11/2022 11:15:00 AM	l 66069

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

Qualifiers:

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

Page 2 of 8

Lab Order 2203657

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-7B

 Project:
 Jackson AT Battery
 Collection Date: 3/10/2022 11:00:00 AM

 Lab ID:
 2203657-003
 Matrix: MEOH (SOIL)
 Received Date: 3/11/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed Bate	ch
EPA METHOD 300.0: ANIONS					Analyst: LRN	1
Chloride	110	60	mg/Kg	20	3/11/2022 11:08:35 AM 6611	19
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Analyst: TON	VI
Diesel Range Organics (DRO)	ND	8.8	mg/Kg	1	3/11/2022 11:06:16 AM 6611	12
Motor Oil Range Organics (MRO)	45	44	mg/Kg	1	3/11/2022 11:06:16 AM 6611	12
Surr: DNOP	77.8	51.1-141	%Rec	1	3/11/2022 11:06:16 AM 6611	12
EPA METHOD 8015D: GASOLINE RANGE					Analyst: RAA	4
Gasoline Range Organics (GRO)	ND	3.7	mg/Kg	1	3/11/2022 11:35:00 AM 6606	69
Surr: BFB	108	70-130	%Rec	1	3/11/2022 11:35:00 AM 6606	69
EPA METHOD 8021B: VOLATILES					Analyst: RAA	4
Benzene	ND	0.018	mg/Kg	1	3/11/2022 11:35:00 AM 6606	69
Toluene	ND	0.037	mg/Kg	1	3/11/2022 11:35:00 AM 6606	69
Ethylbenzene	ND	0.037	mg/Kg	1	3/11/2022 11:35:00 AM 6606	69
Xylenes, Total	ND	0.073	mg/Kg	1	3/11/2022 11:35:00 AM 6606	69
Surr: 4-Bromofluorobenzene	89.9	70-130	%Rec	1	3/11/2022 11:35:00 AM 6606	69

Refer to the QC Summary 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 Order 2203657

Date Reported: 3/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland Client Sample ID: SW-21A

**Project:** Jackson AT Battery
 Collection Date: 3/10/2022 12:00:00 PM

 **Lab ID:** 2203657-004
 Matrix: MEOH (SOIL)
 Received Date: 3/11/2022 8:00:00 AM

Analyses	Result	PQL	Qual Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS					Analyst	: LRN
Chloride	ND	60	mg/Kg	20	3/11/2022 11:20:56 AM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGA	ANICS				Analyst	: TOM
Diesel Range Organics (DRO)	ND	10	mg/Kg	1	3/11/2022 9:58:28 AM	66112
Motor Oil Range Organics (MRO)	ND	50	mg/Kg	1	3/11/2022 9:58:28 AM	66112
Surr: DNOP	75.7	51.1-141	%Rec	1	3/11/2022 9:58:28 AM	66112
EPA METHOD 8015D: GASOLINE RANGE					Analyst	: RAA
Gasoline Range Organics (GRO)	ND	4.2	mg/Kg	1	3/11/2022 11:55:00 AM	66069
Surr: BFB	108	70-130	%Rec	1	3/11/2022 11:55:00 AM	66069
EPA METHOD 8021B: VOLATILES					Analyst	: RAA
Benzene	ND	0.021	mg/Kg	1	3/11/2022 11:55:00 AM	66069
Toluene	ND	0.042	mg/Kg	1	3/11/2022 11:55:00 AM	66069
Ethylbenzene	ND	0.042	mg/Kg	1	3/11/2022 11:55:00 AM	66069
Xylenes, Total	ND	0.083	mg/Kg	1	3/11/2022 11:55:00 AM	66069
Surr: 4-Bromofluorobenzene	91.4	70-130	%Rec	1	3/11/2022 11:55:00 AM	66069

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

Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

WO#: **2203657** 

15-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-66119 SampType: mblk TestCode: EPA Method 300.0: Anions

Client ID: PBS Batch ID: 66119 RunNo: 86446

Prep Date: 3/11/2022 Analysis Date: 3/11/2022 SeqNo: 3049910 Units: mg/Kg

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

Chloride ND 1.5

Sample ID: LCS-66119 SampType: Ics TestCode: EPA Method 300.0: Anions

Client ID: LCSS Batch ID: 66119 RunNo: 86446

Prep Date: 3/11/2022 Analysis Date: 3/11/2022 SeqNo: 3049911 Units: mg/Kg

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

Chloride 14 1.5 15.00 0 93.7 90 110

### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

2203657 15-Mar-22

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-66112 SampType: MBLK TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: PBS Batch ID: 66112 RunNo: 86399 Prep Date: 3/11/2022 Analysis Date: 3/11/2022 SeqNo: 3047706 Units: mg/Kg SPK value SPK Ref Val %REC LowLimit %RPD **RPDLimit** Analyte Result PQL HighLimit Qual Diesel Range Organics (DRO) ND 10 Motor Oil Range Organics (MRO) ND 50 Surr: DNOP 8.1 10.00 81.4 51.1 141

Sample ID: LCS-66112 SampType: LCS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: LCSS Batch ID: 66112 RunNo: 86399 Prep Date: 3/11/2022 Analysis Date: 3/11/2022 SeqNo: 3047776 Units: mg/Kg Analyte PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 44 10 68.9 135 50.00 88.9 Surr: DNOP 4.0 5.000 79.5 51.1 141

Sample ID: 2203657-001AMS SampType: MS TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: SW-4B Batch ID: 66112 RunNo: 86399 Prep Date: 3/11/2022 Analysis Date: 3/11/2022 SeqNo: 3048176 Units: mg/Kg Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Diesel Range Organics (DRO) 36 47.85 12.88 36.1 9.6 48.8 154 Surr: DNOP 3.8 4.785 79.1 51.1 141

Sample ID: 2203657-001AMSD SampType: MSD TestCode: EPA Method 8015M/D: Diesel Range Organics Client ID: SW-4B Batch ID: 66112 RunNo: 86399 Prep Date: 3/11/2022 Analysis Date: 3/11/2022 SeqNo: 3048177 Units: mg/Kg %RPD Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual Analyte Diesel Range Organics (DRO) 34 9.9 49.31 12.88 43.5 36.1 154 5.43 33.9 Surr: DNOP 4.931 4.0 81.6 51.1 141 0 0

#### Qualifiers:

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

WO#: **2203657** *15-Mar-22* 

Client: GHD Midland
Project: Jackson AT Battery

 Sample ID: Ics-66069
 SampType: LCS
 TestCode: EPA Method 8015D: Gasoline Range

 Client ID:
 LCSS
 Batch ID: 66069
 RunNo: 86409

 Prep Date:
 3/9/2022
 Analysis Date: 3/11/2022
 SeqNo: 3048222
 Units: mg/Kg

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

Gasoline Range Organics (GRO) 30 5.0 25.00 0 118 78.6 131

Surr: BFB 2300 1000 229 70 130 S

Sample ID: mb-66069 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range

Client ID: PBS Batch ID: 66069 RunNo: 86409

Prep Date: 3/9/2022 Analysis Date: 3/11/2022 SeqNo: 3048223 Units: mg/Kg

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

Gasoline Range Organics (GRO) ND 5.0

Surr: BFB 1000 1000 102 70 130

### Qualifiers:

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

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## Hall Environmental Analysis Laboratory, Inc.

2203657 15-Mar-22

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: Ics-66069	Samp1	Type: <b>LC</b>	s	TestCode: EPA Method 8021B: Volatiles									
Client ID: LCSS	Batcl	h ID: <b>66</b> 0	069	F									
Prep Date: 3/9/2022	Analysis D	Date: 3/	11/2022	9	SeqNo: 3	048229	Units: mg/K						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual			
Benzene	0.85	0.025	1.000	0	85.1	80	120						
Toluene	0.87	0.050	1.000	0	87.2	80	120						
Ethylbenzene	0.88	0.050	1.000	0	88.0	80	120						
Xylenes, Total 2.6 0.10 3.000				0	87.9	80	120						
Surr: 4-Bromofluorobenzene	0.90		1.000		89.8	70	130						

Sample ID: mb-66069	TestCode: EPA Method 8021B: Volatiles									
Client ID: PBS	F	RunNo: 8								
Prep Date: 3/9/2022	9	SeqNo: 3	048230	Units: mg/K						
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	0.89		1.000		88.9	70	130			

### Qualifiers:

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

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

# Sample Log-In Check List

Client Name:	GHD Midland	umber: <b>22</b> 0	3657			RcptNo: 1				
Received By:	Sean Livingston	3/11/2022 8:00:	00 AM		5.	- Losofa				
Completed By:	Desiree Dominguez	3/11/2022 8:18:	35 AM		10					
Reviewed By:	There	3/4/12		C	1		-			
Chain of Cust	tody									
1. Is Chain of Cu	stody complete?		Yes	~	No	☐ Not	Present			
2. How was the s	sample delivered?		Cou	rier						
Log In										
	ot made to cool the sample	es?	Yes	<b>V</b>	No		NA 🗌			
4. Were all sample	les received at a temperat	ure of >0° C to 6.0°C	Yes	<b>V</b>	No		NA 🗆			
5. Sample(s) in p	roper container(s)?		Yes	~	No [					
6. Sufficient samp	ole volume for indicated tes	st(s)?	Yes	~	No [					
7. Are samples (e	xcept VOA and ONG) proj	perly preserved?	Yes	<b>V</b>	No [					
8. Was preservati	ve added to bottles?		Yes		No S		NA 🗆			
9. Received at lea	st 1 vial with headspace <	1/4" for AQ VOA?	Yes		No [		NA 🗸			
10. Were any sam	ple containers received bro	oken?	Yes		No E	# of pr	eserved			
11 Does papanyor	k match bottle labels?		200			bottles	checked			
	ncies on chain of custody)		Yes	~	No L	for pH:		>12 unless noted)		
	rrectly identified on Chain	of Custody?	Yes	<b>V</b>	No E	7 /	Adjusted?	or - 12 unicas noteu)		
	analyses were requested?		Yes	~	No [					
14. Were all holding	times able to be met?		Yes	<b>V</b>	No [	]/0	hecked by: (	(nc 3/11/12		
	ng (if applicable)									
	fied of all discrepancies wi	th this order?	Yes		No [	7.	NA 🗸			
Person N					INO L		NA 💌			
By Whom		Via	ite:	a	Dhana 🗆 r					
Regarding		Vic	a: eMa	in [ ]	Phone 🔲 F	ax In Pe	erson			
Client Ins										
16. Additional rem	arks:									
17. <u>Cooler Inform</u> Cooler No	ation Temp °C Condition 2.4 Good	Seal Intact Seal No	Seal Da	ite	Signed By					

HALL ENVIRONMENTAL ANALYSIS LABORATORY	www.naireityilolithentai.com 4901 Hawkins NE - Albumiarana nin ozaoo		rax 505-545-410/		Oq, SO	(1) S0728	3 10 3 10 N	10 or	etho S8 v SM Me (AC	250 (V0 (Se) (Se) (Se) (Se) (Se) (Se) (Se) (Se)	9 . 8 . 38 .	9			<b>-</b>					Kemarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com	Mattnew.Laughlin@ghd.com: Along with Becky Haskell listed above.  Direct Bill to EOG Chase Settle
Turn-Around Time:  ☐ Standard	cheson AT Bathin	6	457 9524	(	(1 <u>508)</u> 7	r. Zach Comino	X Yes 🗆 No	olers: ) GR		28 15 16	± 3 S	-	3000	- 003	T 1 100-				- weight	605) ge/g/2 change	Via: Date Time (ک) اداری ۱۱/۶۲ کا اداری کا کا اداری کا کا اداری کا کا داری کا
Client: GHD	Mailing Address:	324 W. Main St. Suite 108, Artesia NM 88210	Phone #: (505)377-4218	email or Fax#: Becky.Haskell@ghd.com	QA/QC Package:   □ Standard  □ Level 4 (Full Validation)	on: 🗆 Az Compliance	□ Other	EDD (Type)	93	Date Time Matrix Sample Name	1000 S SW-417	2) (1)		51 - MQ 1001	\$ 1200 ° SW-21A				Date: Time: Relinquished by:	o Est Courses Politi	1400 C.C.

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

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

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

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

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

CONDITIONS

Action 101709

## **CONDITIONS**

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	101709
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	5/19/2022