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**

					1	
•			OGRID 73			
Contact Name Chase Settle			Contact Telephone 575-748-1471			
Contact ema	<sup>il</sup> Chase_	Settle@eogre	sources.com	)	Incident #	(assigned by OCD)
Contact mail	ing address	104 S. 4th Str	eet, Artesia,	NM 88	8210	
					delease So	ource
Latitude 32	.83176		(NAD 83 in d	lecimal de	Longitude _ grees to 5 decim	-104.45575 nal places)
Site Name Ja	ckson A	Γ Battery			Site Type E	Battery
Date Release	Discovered	05/27/2021			API# (if app	
Unit Letter	Section	Township	Range		Coun	tv
J	14	17S	25E	Edd		5
	Materia	ıl(s) Released (Select a	Nature an	d Vo	lume of F	Release 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 produced water	tion of dissolved >10,000 mg/l?	chloride	e in the	☐ Yes ☐ No
Condensa	Condensate Volume Released (bbls)			Volume Recovered (bbls)		
☐ Natural Gas Volume Released (Mcf)			Volume Recovered (Mcf)			
Other (de	scribe)	Volume/Weight	Released (providence)	de units)	)	Volume/Weight Recovered (provide units)
Cause of Rel	<sup>ease</sup> Histor unkno	ical impacts dis wn.	scovered durin	ng the I	P&A of the	battery. Release volume and date are

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- 4	uz	C	-	v	 u

Incident ID	nAPP2115336154
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Was this a major release as defined by 19.15.29.7(A) NMAC?  ☐ Yes ☑ No	If YES, for what reason(s) does the respon	sible party consider this a major release?
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 p	party must undertake the following actions immediatel	vunless 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 has	ave 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	I managed appropriately.
Per 19.15.29.8 B. (4) NM	AC the responsible party may commence re	emediation immediately after discovery of a release. If remediation
has begun, please attach	a narrative of actions to date. If remedial	efforts have been successfully completed or if the release occurred lease attach all information needed for closure evaluation.
regulations all operators are public health or the environr failed to adequately investig	required to report and/or file certain release notinent. The acceptance of a C-141 report by the Cate and remediate contamination that pose a thre	pest of my knowledge and understand that pursuant to OCD rules and fications and perform corrective actions for releases which may endanger CD does not relieve the operator of liability should their operations have at to groundwater, surface water, human health or the environment. In responsibility for compliance with any other federal, state, or local laws
Printed Name: Chase		Title: Rep Safety & Environmental Sr
Signature: Chase C	ettlo	Date: 6/2/2021
email: Chase_Settle	@eogresources.com	Telephone: <u>575-748-1471</u>
OCD Only		
Received by:		Date:

	Page 3 of 9	96
Incident ID	nAPP2115336154	
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# 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?				
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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State of New Mexico

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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	firmed as part of any request for deferral of remediation.		
Contamination must be in areas immediately under or around predeconstruction.	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.		
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of		
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		
Signature: Jennifer Nobui	Date: 01/18/2022		

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



GHD Reference #: 11229324

November 29, 2021

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

Re: Site Characterization and Remediation Work Plan Jackson AT Battery Release Site EOG Resources Inc. Incident ID: nAPP2115336154

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

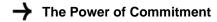
#### 1. Introduction

GHD Services Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Characterization Report and Remediation Work Plan 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 Figure 2, Site Assessment and Proposed Excavation Area.

#### 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 go ahead and 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. The Initial C-141, Site Assessment/Characterization and Remediation Plan 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 Documentation. The soil closure criteria are 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 (bgs). Soil samples were collected from varying depths of the test pits and field screened for chloride and hydrocarbon concentrations. Select soil samples were analyzed for BTEX by EPA Method 8021B, 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 bgs (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. nAPP2115336154 Proposed Work Plan

Soils impacted within the suspected impact area containing Total TPH concentrations over 100 mg/kg and chloride concentrations over 600 mg/kg within the top 4 feet will be excavated. GHD, on behalf of EOG, proposes to excavate the areas to the following depths:

- TP1 to four (4) to ten (10) feet bgs or until soils exhibit Total TPH concentrations below 2,500 mg/kg and TPH GRO+DRO concentration below 1,000 mg/kg.
- TP2, TP4, TP8, TP9, and TP14 to four (4) feet bgs or until soils in the first four (4) feet exhibit
   Total TPH concentrations below 100 mg/kg and chloride concentrations below 600 mg/kg.
- TP3 from surface to two (2) feet bgs or until soils within the first four (4) feet exhibit Total TPH concentrations below 100 mg/kg and chloride concentrations below 600 mg/kg.

Confirmation samples from the bottom of the excavation will be collected by way of five (5) point composite samples. These proposed sampling points are illustrated on Figure 3, Proposed Sampling Plan, and will be collected to ensure that soil remaining above and below four (4) feet meet the requirements set forth by NMAC 19.15.29.12 and 13 prior to the commencement of backfill activities. Excavation sidewall confirmation samples will be collected by way of five (5) point composite samples, with one (1) sample collected for every 46.5 linear feet of the excavation sidewall when the sidewall height does not exceed four (4) feet bgs, which conforms to the requirement of no sample representing greater than two hundred (200) square feet. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

Excavated soils will be transported to a NMOCD-approved disposal facility for disposal. The anticipated volume of soil to be disposed of is approximately 6,200 cubic yards. The excavation will be backfilled with non-impacted soil transported to the Site. The remediation will be performed within 120 days after the work plan has been approved. A closure report documenting remediation activities will be prepared and submitted to the NMOCD when remediation activities have been completed.

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

Sincerely,

**GHD** 

Becky Haskell

Senior Project Manager

Thomas C. Larson, M.S. Midland Operation Manager

Thomas Clayon

BH/tl/1

Encl. Figure 1 – Site Location Map

Rebecca Haskell

Figure 2 - Site Assessment and Proposed Excavation Area

Figure 3 - Proposed Sampling Plan

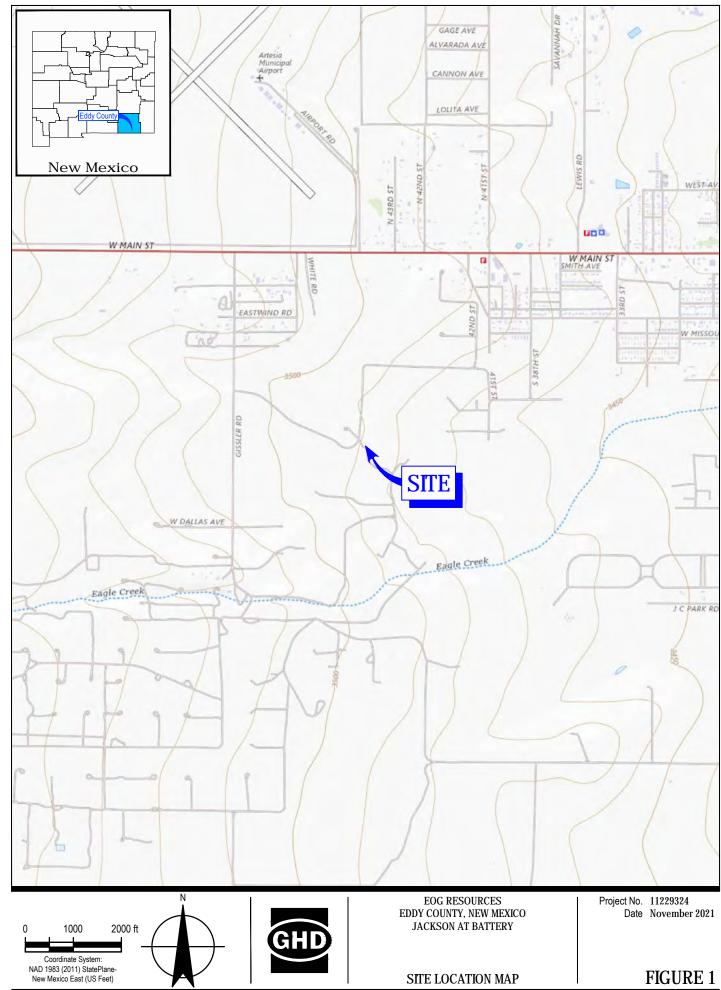
Table 1 - Summary of Soil Analytical Data

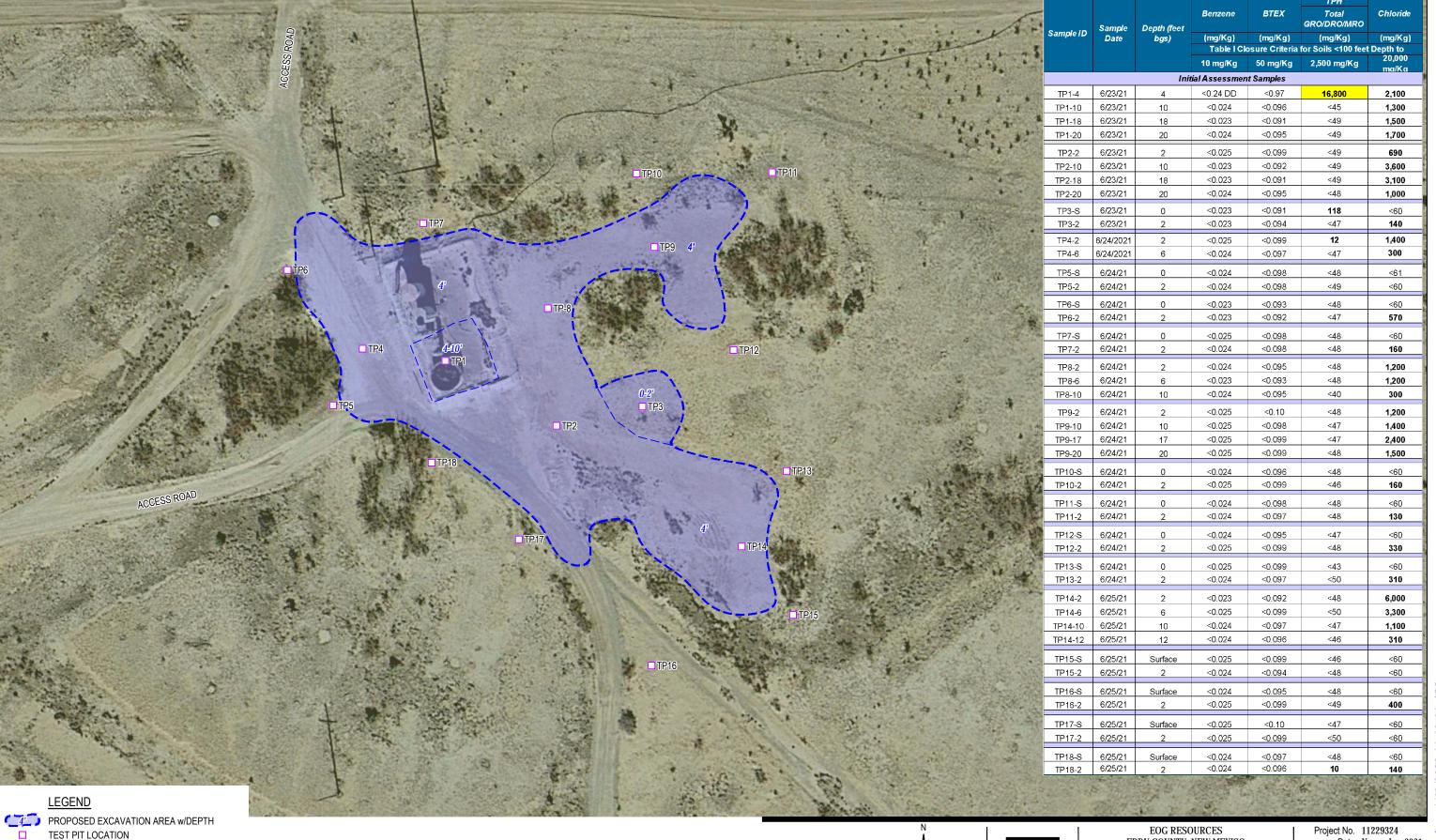
Appendix A – Site Characterization Documentation

Appendix B – Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: Chase Settle

Figures





NAD 1983 (2011) StatePlane-

 $File name: \label{linear} File name: \label{linear} File name: \label{linear} Value of the linear of the linear$ 

DEPTH OF SAMPLE (FT)

CONCENTRATION (MG/KG)

BENZENE, TOLUENE, ETHYLBENZENE &

XYLENES CONCENTRATION (MG/KG)

TOTAL PETROLEUM HYDROCARBONS

NOTES:

1. RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).

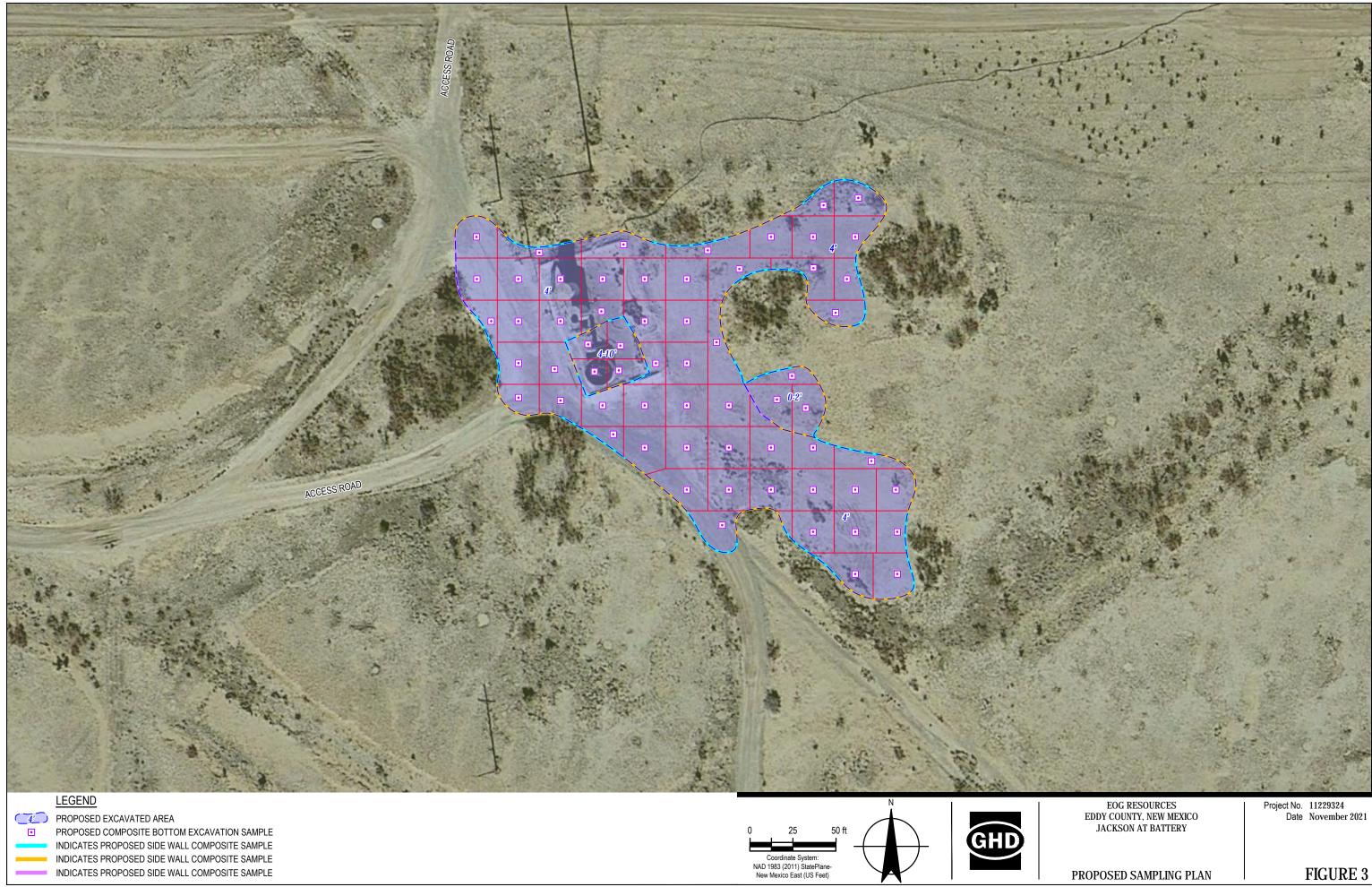
3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.

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

EDDY COUNTY, NEW MEXICO JACKSON AT BATTERY

SITE ASSESSMENT AND PROPOSED EXCAVATION AREA Date November 2021

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Tables

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#### Table 1 Summary of Soil Analytical Data Jackson AT Battery EOG Resources Eddy County, New Mexico

										TPH		
	Sample	Depth (feet	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO(C6-C10)	DRO(C10- C28)	MRO (C28- C35)	Total GRO/DRO/MRO	Chloride
Sample ID	Date	bgs)	(mg/Kg)	(mg/Kg)	(mg/Kg) Table I Clo	(mg/Kg) osure Criteria f	(mg/Kg) or Soils <100 t	(mg/Kg) feet Depth to Gro	(mg/Kg) oundwater 19.1	(mg/Kg) 5.29 NMAC	(mg/Kg)	(mg/Kg)
			10 mg/Kg				50 mg/Kg	1,000 r	ng/Kg		2,500 mg/Kg	20,000 mg/Kg
					Initial Ass	sessment Sam <sub>l</sub>	oles					
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
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
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

#### Table 1 **Summary of Soil Analytical Data Jackson AT Battery EOG Resources Eddy County, New Mexico**

Sample ID	Sample Date	Depth (feet	Benzene	Toluene	Ethylbenzene	Xylenes (mg/Kg)	<i>BTEX</i> (mg/Kg)	GRO(C6-C10) (mg/Kg)	DRO(C10- C28) (mg/Kg)	TPH MRO (C28- C35) (mg/Kg)	Total GRO/DRO/MRO	Chloride
	Dale	bgs)	(mg/Kg)	(mg/Kg)	(mg/Kg) Table I Cl			feet Depth to Gro			(mg/Kg)	(mg/Kg)
			10 mg/Kg				50 mg/Kg	1,000 r			2,500 mg/Kg	20,000 mg/Kg
TP12-S	6/24/21	0	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<47	<47	<60
TP12-2	6/24/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	330
TP13-S	6/24/21	0	<0.025	<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	<0.025	<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

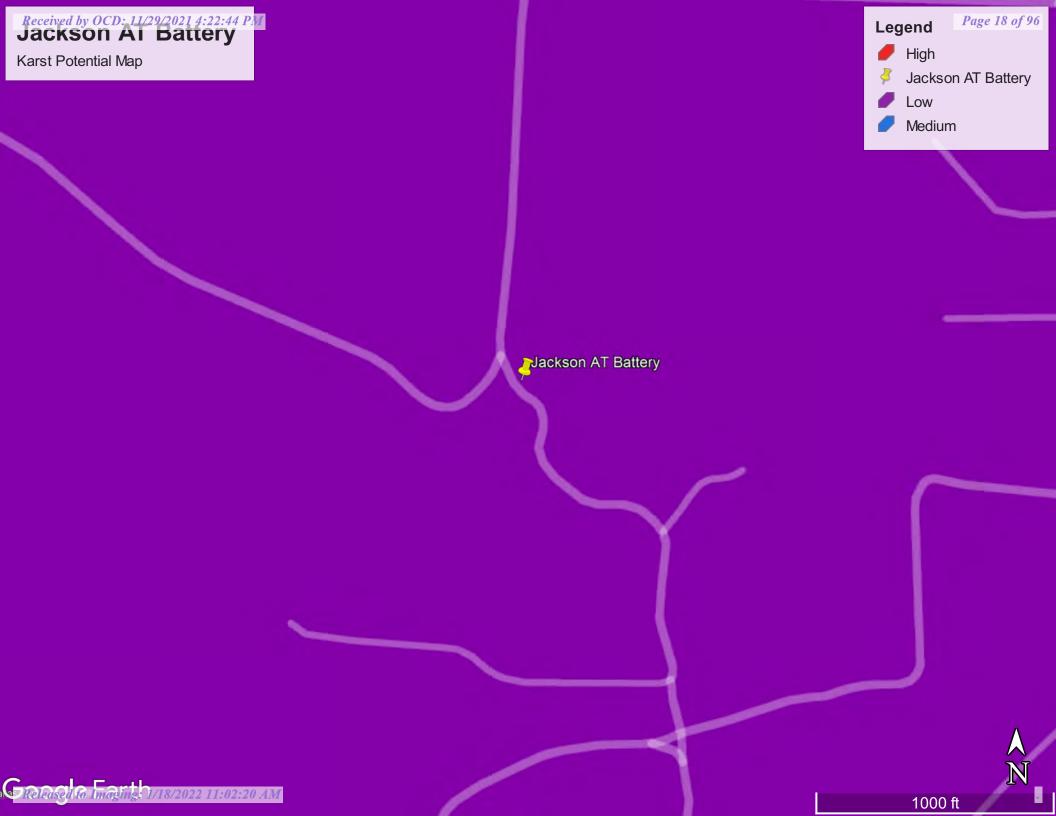
#### Notes:

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

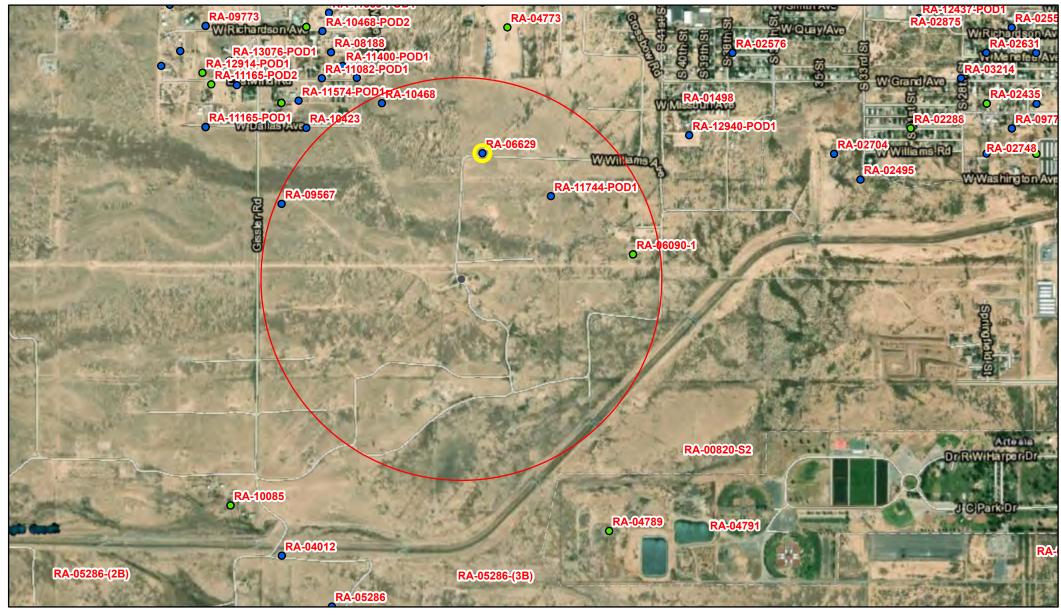
B-BH-2 Sample Point Excavated

- 5. TPH analyses by EPA Method SW 8015 Mod.
- 6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
- 7. Yellow shaded cells indicate analytical samples that exceed the NMOC 19.15.29.12 Table 1  $\,$ Closure Criteria for the site.
- 8. J the target analytes was positively identified below the quantitation limit and above the detection limit.

# Attachment A Site Characterization Documentation



# **OSE PUBLIC PRINT**



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

**GIS WATERS PODs OSE District Boundary** 

Active

SiteBoundaries

1:18,056 0.25 0.13 0.5 mi 0.8 km

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

**Driller License: 1064** 

**Driller Company:** 

**DELFORD W. MARTIN** 

551297

**Driller Name:** 

Drill Start Date: 12/01/2011

5.00

**Drill Finish Date:** 

12/10/2011

Plug Date:

Log File Date:

12/14/2011

**PCW Rcv Date:** 

Source: Shallow

**Pump Type:** 

Pipe Discharge Size:

Estimated Yield: 15 GPM

**Casing Size:** 

Depth Well:

300 feet

**Depth Water:** 

187 feet

Water Bearing Stratifications:

**Top Bottom Description** 

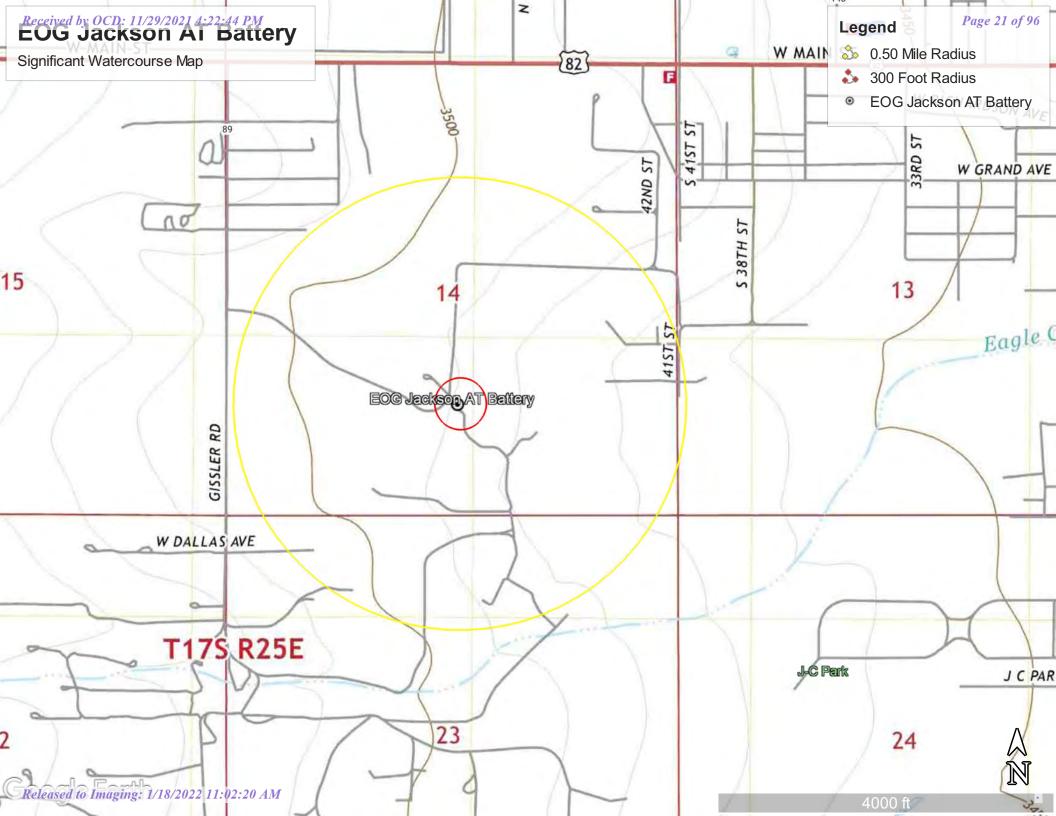
187

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.

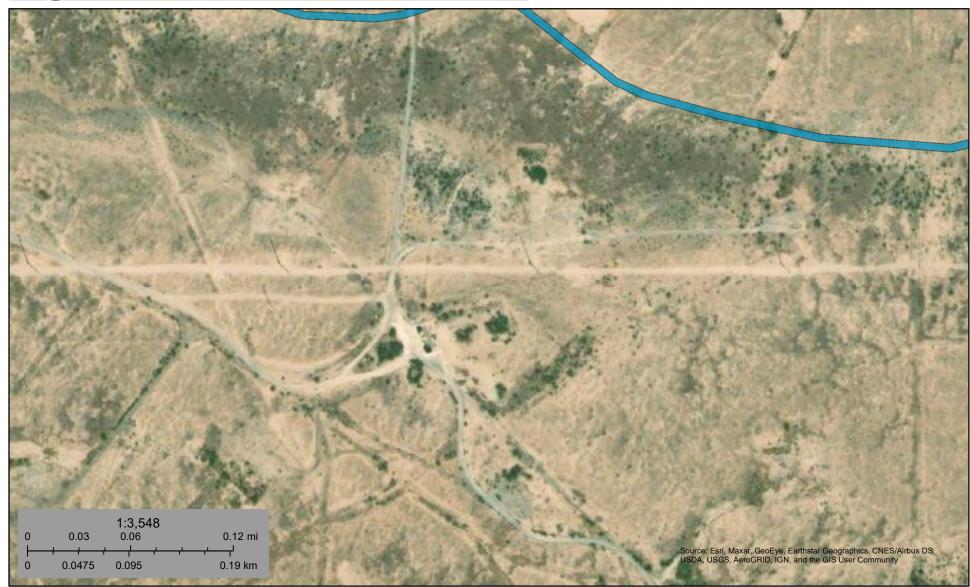
9/21/21 3:46 PM

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.

# Received by OCD: 11/29/2021 4:22:44 PM National Flood Hazard Layer FIRMette



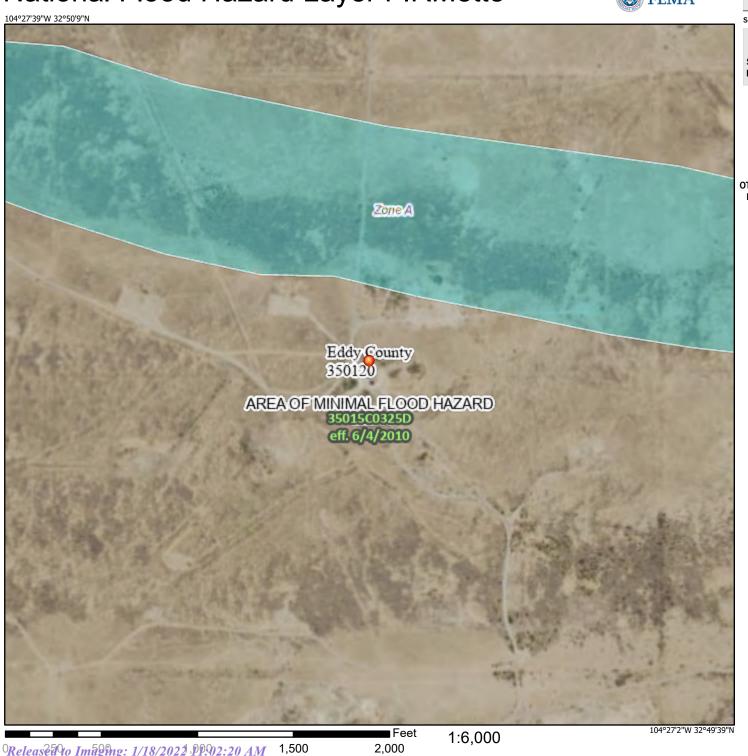


SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS Regulatory Floodway 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X **Future Conditions 1% Annual** Chance Flood Hazard Zone X Area with Reduced Flood Risk due to Levee. See Notes. Zone X OTHER AREAS OF Area with Flood Risk due to Levee Zone D FLOOD HAZARD NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D - - - Channel, Culvert, or Storm Sewer **GENERAL** STRUCTURES | LILLI Levee, Dike, or Floodwall 20.2 Cross Sections with 1% Annual Chance 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) Limit of Study Jurisdiction Boundary -- Coastal Transect Baseline OTHER **Profile Baseline FEATURES** Hydrographic Feature Digital Data Available No Digital Data Available MAP PANELS Unmapped The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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.



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

# Attachment B 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

andy

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	Batch ID
EPA METHOD 300.0: ANIONS						Ana	lyst: <b>VP</b>
Chloride	2100	60		mg/Kg	20	7/2/2021 12:01:39 F	PM 61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Ana	lyst: <b>BRM</b>
Diesel Range Organics (DRO)	11000	970		mg/Kg	100	6/29/2021 10:54:45	PM 60965
Motor Oil Range Organics (MRO)	5800	4800		mg/Kg	100	6/29/2021 10:54:45	PM 60965
Surr: DNOP	0	70-130	S	%Rec	100	6/29/2021 10:54:45	PM 60965
EPA METHOD 8015D: GASOLINE RANGE						Ana	lyst: <b>mb</b>
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						Ana	lyst: <b>mb</b>
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 Q	ual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: <b>VP</b>
Chloride	1300	61	mg/Kg	20	7/6/2021 9:12:43 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	t: 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	t: <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	t: <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

Page 2 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:** 2106D64-004 **Collection Date:** 6/23/2021 12:45:00 PM

Client Sample ID: TP1-20 Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch I	(D
EPA METHOD 300.0: ANIONS					Anal	yst: <b>VP</b>	
Chloride	1700	60	mg/Kg	20	7/6/2021 9:37:32 AN	1 6112	20
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS				Anal	yst: CLP	>
Diesel Range Organics (DRO)	ND	9.8	mg/Kg	1	7/3/2021 10:30:18 A	M 6111	14
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/3/2021 10:30:18 A	M 6111	14
Surr: DNOP	92.0	70-130	%Rec	1	7/3/2021 10:30:18 A	M 6111	14
EPA METHOD 8015D: GASOLINE RANGE					Anal	yst: <b>mb</b>	
Gasoline Range Organics (GRO)	ND	4.7	mg/Kg	1	7/6/2021 11:37:00 A	M 6111	12
Surr: BFB	94.3	70-130	%Rec	1	7/6/2021 11:37:00 A	M 6111	12
EPA METHOD 8021B: VOLATILES					Anal	yst: <b>mb</b>	
Benzene	ND	0.024	mg/Kg	1	7/6/2021 11:37:00 A	M 6111	12
Toluene	ND	0.047	mg/Kg	1	7/6/2021 11:37:00 A	M 6111	12
Ethylbenzene	ND	0.047	mg/Kg	1	7/6/2021 11:37:00 A	M 6111	12
Xylenes, Total	ND	0.095	mg/Kg	1	7/6/2021 11:37:00 A	M 6111	12
Surr: 4-Bromofluorobenzene	90.1	70-130	%Rec	1	7/6/2021 11:37:00 A	M 6111	12

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

Client Sample ID: TP2-2 Matrix: SOIL

Analyses	Result	RL Q	ual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: VP
Chloride	690	60	mg/Kg	20	7/6/2021 9:49:56 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	:: 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					Analys	t: <b>mb</b>
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					Analys	t: <b>mb</b>
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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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

**CLIENT:** 

**Analytical Report** 

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

2106D64

#### Hall Environmental Analysis Laboratory, Inc.

Lab Order:

**Project:** Jackson AT Battery

GHD Midland

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

Client Sample ID: TP2-10 Matrix: SOIL

Client Sample ID: 1P2-10			Matrix	: 50	OIL .	
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Ana	alyst: <b>VP</b>
Chloride	3600	150	mg/Kg	50	7/6/2021 11:29:13	AM 61120
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Ana	alyst: CLP
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/3/2021 10:54:25	AM 61114
Motor Oil Range Organics (MRO)	ND	49	mg/Kg	1	7/3/2021 10:54:25	AM 61114
Surr: DNOP	101	70-130	%Rec	1	7/3/2021 10:54:25	AM 61114
EPA METHOD 8015D: GASOLINE RANGE					Ana	alyst: <b>mb</b>
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					Ana	alyst: <b>mb</b>
Benzene	ND	0.023	mg/Kg	1	7/6/2021 12:16:00	PM 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	1	7/6/2021 12:16:00	PM 61112
Surr: 4-Bromofluorobenzene	92.4	70-130	%Rec	1	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.
- Sample Diluted Due to Matrix
- H Holding times for preparation 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 Qua	l Units	DF	Date Analyzed Ba	tch 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 Q	ual Units	DF	Date Analyzed B	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	SANICS				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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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.

- .... -...p ------ //o/=021

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**Date Reported: **7/8/2021** 

#### Hall Environmental Analysis Laboratory, Inc.

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 1 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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#### **QC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

2106D64 08-Jul-21

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: mq/Kq

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

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

Chloride 14 1.5 15.00 94.3 110

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 HighLimit %RPD **RPDLimit** Qual LowLimit

Chloride 15 1.5 15.00 97.3

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

ND Chloride 1.5

#### 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 8 of 15

# **QC SUMMARY REPORT**

# Hall Environmental Analysis Laboratory, Inc.

WO#: **2106D64** 

08-Jul-21

Client:	GHD Midland
Project:	Jackson AT Battery

Project: Jackson	AT Battery									
Sample ID: LCS-60965	SampType: LCS		Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: LCSS	Batch ID: 60965		R	RunNo: <b>7</b> 9	9472					
Prep Date: 6/28/2021	Analysis Date: 6/29/2	2021	S	SeqNo: 2	793936	Units: mg/K	(g			
Analyte	Result PQL SF	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	44 10	50.00	0	87.9	68.9	141				
Surr: DNOP	3.6	5.000		72.5	70	130				
Sample ID: MB-60965	SampType: MBLK		Test	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: PBS	Batch ID: 60965		R	RunNo: 7	9472					
Prep Date: 6/28/2021	Analysis Date: 6/29/2	2021	S	SeqNo: 2	793938	Units: mg/K	(g			
Analyte	Result PQL SF	K 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 7.7	10.00		77.0	70	130				
			_							
Sample ID: MB-61114	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics RunNo: 79559						
Client ID: PBS	Batch ID: 61114					11.2				
Prep Date: 7/2/2021	Analysis Date: 7/3/20	)21	8	SeqNo: 2	797735	Units: mg/K	.g			
Analyte		PK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)  Motor Oil Range Organics (MRO)	ND 10 ND 50									
Surr: DNOP	13	10.00		127	70	130				
Sample ID: LCS-61114	SampType: LCS		Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: LCSS	Batch ID: 61114		R	RunNo: <b>7</b> 9	9559					
Prep Date: 7/2/2021	Analysis Date: 7/3/20	21	S	SeqNo: 2	797736	Units: mg/K	(g			
Analyte	Result PQL SF	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	52 10	50.00	0	104	68.9	141				
Surr: DNOP	5.8	5.000		115	70	130				
Sample ID: 2106D64-002AM	S SampType: MS		Tes	tCode: El	PA Method	8015M/D: Die	esel Range	e Organics		
Client ID: TP1-10	Batch ID: 61114		R	RunNo: 7	9559					
Prep Date: 7/2/2021	Analysis Date: 7/3/20	21	S	SeqNo: 2	797738	Units: mg/K	(g			
Analyte	Result PQL SF	K value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	42 8.9	44.48	0	95.5	15	184				
Surr: DNOP	4.8	4.448		109	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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# **QC SUMMARY REPORT**

#### Hall Environmental Analysis Laboratory, Inc.

2106D64 08-Jul-21

WO#:

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)	49	9.7	48.36	0	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 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-60961	SampT	ype: ME	BLK	Test	tCode: El	PA Method	8015D: Gasoline Range				
Client ID: PBS	Batch	n ID: <b>60</b> 9	961	R	RunNo: 7	9532					
Prep Date: 6/28/2021	Analysis D	oate: 7/	1/2021	S	SeqNo: 2	796799	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 RER	920		1000		923	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

%RPD **RPDLimit** Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit Qual Gasoline Range Organics (GRO) 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 %RPD SPK value SPK Ref Val %REC **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 Batch ID: 60981 Client ID: LCSS 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 Surr: BFB 1000 114 70 130

Sample ID: mb-61112 SampType: MBLK TestCode: EPA Method 8015D: Gasoline Range Client ID: PRS Batch ID: 61112 RunNo: 79580 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 %RPD Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit **RPDLimit** Qual

1000 Surr: BFB 1000 100 70 130

#### 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

- 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#: **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 SeqNo: 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 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: mb-60961	SampT	Type: MBLK TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batcl	n ID: <b>60</b> 9	961	F	RunNo: <b>7</b>	9532				
Prep Date: 6/28/2021	Analysis D	Date: 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>	CS TestCode: EPA Method 8021B: Volatiles							

• • • • • • • • • • • • • • • • • • •	) P 0. <b>_0</b>	•			,ouou	002 . D. 10.a.			
Batch	n ID: <b>60</b> 9	961	F	RunNo: <b>79532</b>					
Analysis D	Date: 7/	1/2021	S	SeqNo: 2	796855	Units: mg/K	(g		
Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
0.98	0.025	1.000	0	97.5	80	120			
0.99	0.050	1.000	0	98.6	80	120			
1.0	0.050	1.000	0	101	80	120			
3.1	0.10	3.000	0	102	80	120			
0.93		1.000		93.2	70	130			
	Result  0.98 0.99 1.0 3.1	Batch ID: 609 Analysis Date: 7/ Result PQL 0.98 0.025 0.99 0.050 1.0 0.050 3.1 0.10	0.98     0.025     1.000       0.99     0.050     1.000       1.0     0.050     1.000       3.1     0.10     3.000	Batch ID: 60961       F         Analysis Date: 7/1/2021       SPK value       SPK Ref Val         Result       PQL       SPK value       SPK Ref Val         0.98       0.025       1.000       0         0.99       0.050       1.000       0         1.0       0.050       1.000       0         3.1       0.10       3.000       0	Batch ID: 60961       RunNo: 79         Analysis Date: 7/1/2021       SeqNo: 27         Result       PQL       SPK value       SPK Ref Val       %REC         0.98       0.025       1.000       0       97.5         0.99       0.050       1.000       0       98.6         1.0       0.050       1.000       0       101         3.1       0.10       3.000       0       102	Batch ID: 60961       ReunNo: 79532         Analysis Date: 7/1/2021       SeqNo: 2796855         Result PQL SPK value SPK Ref Val %REC LowLimit         0.98 0.025 1.000 0 97.5 80         0.99 0.050 1.000 0 98.6 80         1.0 0.050 1.000 0 101 80         3.1 0.10 3.000 0 102 80	Batch ID: 609€1       RunNo: 79532         Analysis Date: 7/1/2021       SeqNo: 2796855       Units: mg/K         Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit         0.98       0.025       1.000       0       97.5       80       120         0.99       0.050       1.000       0       98.6       80       120         1.0       0.050       1.000       0       101       80       120         3.1       0.10       3.000       102       80       120	Batch ID: 60961       RunNo: 79532         Analysis Date: 7/1/2021       SeqNo: 2796855       Units: mg/Ky         Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit       %RPD         0.98       0.025       1.000       0       97.5       80       120         0.99       0.050       1.000       0       98.6       80       120         1.0       0.050       1.000       0       101       80       120         3.1       0.10       3.000       102       80       120	Batch ID: 60961       RunNo: 79532         Analysis Date: 7/1/2021       SeqNo: 2796855       Units: mg/Ky         Result       PQL       SPK value       SPK Ref Val       %REC       LowLimit       HighLimit       %RPD       RPDLimit         0.98       0.025       1.000       0       97.5       80       120         0.99       0.050       1.000       0       98.6       80       120         1.0       0.050       1.000       0       101       80       120         3.1       0.10       3.000       102       80       120

Sample ID: mb-60981	Samply	ре: <b>МЕ</b>	BLK	les	tCode: El	PA Method	8021B: Volat	iles			
Client ID: PBS	Batch	ID: <b>60</b>	981	R	RunNo: 7	9563					
Prep Date: 6/28/2021	Analysis Da	ate: <b>7/</b>	2/2021	S	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		
Client ID: LCSS	Batch	ID: <b>60</b>	981	F	RunNo: 7	9563				
Prep Date: 6/28/2021	Analysis D	ate: <b>7/</b>	2/2021	8	SeqNo: 2	798542	Units: %Red	C		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.93		1.000	<u> </u>	92.5	70	130			

Sample ID: mb-61112	Sampl	Гуре: МЕ	BLK	Tes	tCode: El	PA Method	od 8021B: Volatiles					
Client ID: PBS	Batcl	h ID: <b>61</b>	112	F	RunNo: <b>7</b>	9580						
Prep Date: <b>7/2/2021</b>	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 Quantitative 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.

2106D64 08-Jul-21

WO#:

Client: GHD Midland
Project: Jackson AT Battery

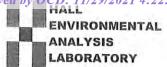
	Sample ID: 2106D64-003amsd SampType: MSD TestCode: EPA Method 8021B: Volatiles										
Sample ID: 2106D64-003am	TestCode: EPA Method 8021B: Volatiles										
Client ID: TP1-18 Batch ID: 61112					RunNo: <b>7</b>	9580					
Prep Date: 7/2/2021	Analysis D	Date: 7/	6/2021	5	SeqNo: 2	799587	Units: mg/k	(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 Nun	nber: 210	6D64		RcptNo: 1	
Received By: Juan Rojas	6/25/2021 7:30:00	AM		flowing)		
Completed By: Cheyenne Cason	6/25/2021 9:20:13	AM		Glend		
Reviewed By: JR 6/25/21				Commo		
Chain of Custody						
1. Is Chain of Custody complete?		Yes	1	No 🗌	Not Present	
2. How was the sample delivered?		Cou	rier			
Log In						
Was an attempt made to cool the samples	?	Yes	V	No 🗌	NA 🗆	
4. Were all samples received at a temperature	e of >0° C to 6.0°C	Yes		No 🗸	NA 🗆	
5. Sample(s) in proper container(s)?		Yes	Not Fr ✓	No 🗌		
6. Sufficient sample volume for indicated test(	s)?	Yes	<b>V</b>	No 🗌		
7. Are samples (except VOA and ONG) prope	rly 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 brok	en?	Yes		No 🔽		
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)		Yes	<b>V</b>	No 🗆	# of preserved bottles checked for pH:	unless noted)
12. Are matrices correctly identified on Chain of	Custody?	Yes	~	No 🗌	Adjusted?	unicss noted)
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	<b>V</b>	No 🗌	Checked by: 6 2	5.21 TC.
Special Handling (if applicable)						
15. Was client notified of all discrepancies with	this order?	Yes		No 🗌	NA 🗹	
Person Notified:	Date					
By Whom:	Date Via:	·   eMa	sii (17)	Dhono 🗔 Fau	□ I - D	
Regarding:	Vid.		an	Phone Fax	In Person	
Client Instructions:						
16. Additional remarks:						
17. Cooler Information  Cooler No Temp °C Condition S  1 -1.1 Good	eal Intact Seal No	Seal D	ate	Signed By		

GHD		
	Standard   Rush S-2	L ENVIRONMENTAL
	Project Name:	
Mailing Address:	Fela 17 P. M.	<u></u>
324 W. Main St. Suite 108, Artesia NM 88210	Project #:	- Albuquerque, NM 87109
(505)377-4218	110000001	-4107
email or Fax#: Becky. Haskell@ghd.com	Project Manager:	ysis Request
	Becky Haskell	s SO, OS
☐ Standard ☐ Level 4 (Full Validation)	Tom Larson	Appendix Odin
mpliance	100	ent. ()
□ Other		/809/ // // // // // // // // // // // // //
EDD (Type)		1 500 o o o o o o o o
	(including CF): $\frac{1}{2}$	eticic ethod 831 Mets (AC) (AC)
Time Matrix Sample Name	Container Preservative HEAL No.	EX / 'EX / '
4-19-	246	80 PA PCI, CI, 826 827
1115T 1 711-10	3	2
81-1017	700	
P	(%)	
P	300	
15	500	
1)-	200	
1	2007	
7	800	
)~	600	
1450 4 175-2	010	3
Relinquished by:		
1/1/	via:	Remarks: Please email: Chase_Settle@eogresources.com;
Relinquished by:	Received by: Vis:	Becky Haskell listed above
1900 Column Same	200	Direct Bill to EOG Chase Settle



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

andy

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 H	Batch ID
EPA METHOD 300.0: ANIONS					Analys	st: <b>VP</b>
Chloride	1400	61	mg/Kg	20	7/2/2021 1:40:55 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Analys	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					Analys	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					Analys	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 Qu	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

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**CLIENT:** 

**Analytical Report** 

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

## Hall Environmental Analysis Laboratory, Inc.

**Lab Order:** 2106E36

**Project:** Jackson AT Battery

GHD Midland

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

Client Sample ID: TP5-S Matrix: SOIL

Cheff Sample 1D. 11 3-3			Matrix	. 50	/IL	
Analyses	Result	RL Qu	al Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Anal	yst: <b>VP</b>
Chloride	ND	61	mg/Kg	20	7/2/2021 2:05:45 PM	d 61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	GANICS				Anal	yst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/1/2021 6:26:57 AN	d 61003
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/1/2021 6:26:57 AN	1 61003
Surr: DNOP	89.2	70-130	%Rec	1	7/1/2021 6:26:57 AN	1 61003
EPA METHOD 8015D: GASOLINE RANGE					Anal	yst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/3/2021 6:21:00 AN	d 60981
Surr: BFB	94.2	70-130	%Rec	1	7/3/2021 6:21:00 AM	d 60981
EPA METHOD 8021B: VOLATILES					Anal	yst: <b>mb</b>
Benzene	ND	0.024	mg/Kg	1	7/3/2021 6:21:00 AN	1 60981
Toluene	ND	0.049	mg/Kg	1	7/3/2021 6:21:00 AN	1 60981
Ethylbenzene	ND	0.049	mg/Kg	1	7/3/2021 6:21:00 AN	1 60981
Xylenes, Total	ND	0.098	mg/Kg	1	7/3/2021 6:21:00 AN	1 60981
Surr: 4-Bromofluorobenzene	89.6	70-130	%Rec	1	7/3/2021 6:21:00 AN	d 60981

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

Client Sample ID: TP5-2 Matrix: SOIL

Analyses	Result	RL Q	ual 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				Analys	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					Analys	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					Analys	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

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**CLIENT:** 

**Analytical Report** 

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

### Hall Environmental Analysis Laboratory, Inc.

**Lab Order:** 2106E36

**Project:** Jackson AT Battery

GHD Midland

**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	Batch ID
EPA METHOD 300.0: ANIONS					Ana	yst: <b>VP</b>
Chloride	ND	60	mg/Kg	20	7/2/2021 3:20:11 PM	Л 61081
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Ana	yst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/1/2021 8:01:40 AM	И 61003
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/1/2021 8:01:40 AM	<i>l</i> 61003
Surr: DNOP	104	70-130	%Rec	1	7/1/2021 8:01:40 AM	И 61003
EPA METHOD 8015D: GASOLINE RANGE					Ana	yst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/3/2021 8:20:00 AM	Л 60981
Surr: BFB	101	70-130	%Rec	1	7/3/2021 8:20:00 AM	Л 60981
EPA METHOD 8021B: VOLATILES					Ana	yst: <b>mb</b>
Benzene	ND	0.025	mg/Kg	1	7/3/2021 8:20:00 AM	Л 60981
Toluene	ND	0.049	mg/Kg	1	7/3/2021 8:20:00 AM	Л 60981
Ethylbenzene	ND	0.049	mg/Kg	1	7/3/2021 8:20:00 AM	<i>l</i> 60981
Xylenes, Total	ND	0.098	mg/Kg	1	7/3/2021 8:20:00 AM	<i>l</i> 60981
Surr: 4-Bromofluorobenzene	97.9	70-130	%Rec	1	7/3/2021 8:20:00 AM	Л 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	Batch ID
EPA METHOD 300.0: ANIONS						Analy	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	SANICS					Analy	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						Analy	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						Analy	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.
- Sample Diluted Due to Matrix
- H Holding times for preparation 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.

\_ .... ....p ...... ,,,,**\_\_**0\_1

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

Cheme Sumple 12.	Translation Soll								
Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID			
EPA METHOD 300.0: ANIONS					Analys	t: <b>VP</b>			
Chloride	1200	60	mg/Kg	20	7/2/2021 3:57:26 PM	61081			
EPA METHOD 8015D MOD: GASOLINE RANGE					Analys	t: RAA			
Gasoline Range Organics (GRO)	ND	4.6	mg/Kg	1	7/2/2021 5:39:16 AM	60994			
Surr: BFB	98.6	70-130	%Rec	1	7/2/2021 5:39:16 AM	60994			
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS				Analys	t: JME			
Diesel Range Organics (DRO)	ND	9.7	mg/Kg	1	7/1/2021 1:30:40 AM	61004			
Motor Oil Range Organics (MRO)	ND	48	mg/Kg	1	7/1/2021 1:30:40 AM	61004			
Surr: DNOP	76.8	70-130	%Rec	1	7/1/2021 1:30:40 AM	61004			
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>					Analys	t: RAA			
Benzene	ND	0.023	mg/Kg	1	7/2/2021 5:39:16 AM	60994			
Toluene	ND	0.046	mg/Kg	1	7/2/2021 5:39:16 AM	60994			
Ethylbenzene	ND	0.046	mg/Kg	1	7/2/2021 5:39:16 AM	60994			
Xylenes, Total	ND	0.093	mg/Kg	1	7/2/2021 5:39:16 AM	60994			
Surr: 1,2-Dichloroethane-d4	109	70-130	%Rec	1	7/2/2021 5:39:16 AM	60994			
Surr: 4-Bromofluorobenzene	102	70-130	%Rec	1	7/2/2021 5:39:16 AM	60994			
Surr: Dibromofluoromethane	103	70-130	%Rec	1	7/2/2021 5:39:16 AM	60994			
Surr: Toluene-d8	104	70-130	%Rec	1	7/2/2021 5:39:16 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:** 2106E36-011 **Collection Date:** 6/24/2021 10:40:00 AM

Client Sample ID: TP8-10 Matrix: SOIL

Chefit Sample 15: 11 0 10		Transfer SOIL							
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID			
EPA METHOD 300.0: ANIONS					Analy	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
- H Holding times for preparation 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

**Analyses** Result RL Qual Units DF Date Analyzed **Batch ID EPA METHOD 300.0: ANIONS** Analyst: JMT Chloride 1200 60 7/2/2021 9:03:44 AM 61086 mg/Kg 20 **EPA METHOD 8015D MOD: GASOLINE RANGE** Analyst: RAA Gasoline Range Organics (GRO) ND 5.0 7/2/2021 8:22:20 AM 60994 mg/Kg 1 Surr: BFB 103 70-130 %Rec 1 7/2/2021 8:22:20 AM 60994 **EPA METHOD 8015M/D: DIESEL RANGE ORGANICS** Analyst: JME Diesel Range Organics (DRO) ND 9.6 mg/Kg 7/1/2021 3:08:12 AM 61004 1 Motor Oil Range Organics (MRO) 61004 ND 48 mg/Kg 1 7/1/2021 3:08:12 AM Surr: DNOP 85.2 70-130 %Rec 7/1/2021 3:08:12 AM 61004 **EPA METHOD 8260B: VOLATILES SHORT LIST** Analyst: RAA Benzene ND 0.025 7/2/2021 8:22:20 AM 60994 mg/Kg 1 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 7/2/2021 8:22:20 AM 60994 Surr: Dibromofluoromethane 108 70-130 %Rec 7/2/2021 8:22:20 AM 60994 1 Surr: Toluene-d8 105 70-130 %Rec 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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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

CLIENT: GHD Midland Lab Order:

**Project:** Jackson AT Battery

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

Client Sample ID: TP9-10 Matrix: SOIL

51111 5111 5 1 1 1 1 1 1 1 1 1 1 1 1 1						
Analyses	Result	RL	Qual Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS					Analy	st: <b>JMT</b>
Chloride	1400	59	mg/Kg	20	7/2/2021 9:16:08 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE					Analy	st: RAA
Gasoline Range Organics (GRO)	ND	4.9	mg/Kg	1	7/2/2021 8:49:28 AM	60994
Surr: BFB	101	70-130	%Rec	1	7/2/2021 8:49:28 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 3:32:25 AM	61004
Motor Oil Range Organics (MRO)	ND	47	mg/Kg	1	7/1/2021 3:32:25 AM	61004
Surr: DNOP	73.2	70-130	%Rec	1	7/1/2021 3:32:25 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>					Analy	st: RAA
Benzene	ND	0.025	mg/Kg	1	7/2/2021 8:49:28 AM	60994
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	1	7/2/2021 8:49:28 AM	60994
Surr: Dibromofluoromethane	107	70-130	%Rec	1	7/2/2021 8:49:28 AM	60994
Surr: Toluene-d8	106	70-130	%Rec	1	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.
- Sample Diluted Due to Matrix
- H Holding times for preparation 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

Cheme Sumple 12.	Translate Soil							
Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID		
EPA METHOD 300.0: ANIONS					Analys	t: MRA		
Chloride	2400	150	mg/Kg	50	7/6/2021 10:44:35 AM	61086		
EPA METHOD 8015D MOD: GASOLINE RANGE					Analys	t: 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				Analys	t: JME		
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>					Analys	t: 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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**CLIENT:** 

**Analytical Report** 

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

## Hall Environmental Analysis Laboratory, Inc.

**Lab Order:** 2106E36

**Project:** Jackson AT Battery

GHD Midland

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

Client Sample ID: TP9-20 Matrix: SOIL

Chefit Sumple 1D: 11 > 20	Wittin Soil							
Analyses	Result	RL	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		
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>					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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**CLIENT:** 

**Analytical Report** 

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

## Hall Environmental Analysis Laboratory, Inc.

Lab Order: 2106E36

**Project:** Jackson AT Battery

GHD Midland

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

Client Sample ID: TP10-S Matrix: SOIL

Chent Sample ID: 1710-5		Matrix: SOIL						
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 9:53:20 A	AM 61086	
EPA METHOD 8015D MOD: GASOLINE RANGE						Ana	alyst: RAA	
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 10:10:55	AM 60994	
Surr: BFB	99.6	70-130		%Rec	1	7/2/2021 10:10:55	AM 60994	
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Ana	alyst: <b>JME</b>	
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2021 4:45:21 A	AM 61004	
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 4:45:21 A	AM 61004	
Surr: DNOP	47.2	70-130	S	%Rec	1	7/1/2021 4:45:21 A	AM 61004	
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Ana	alyst: RAA	
Benzene	ND	0.024		mg/Kg	1	7/2/2021 10:10:55	AM 60994	
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	1	7/2/2021 10:10:55	AM 60994	
Surr: Dibromofluoromethane	109	70-130		%Rec	1	7/2/2021 10:10:55	AM 60994	
Surr: Toluene-d8	105	70-130		%Rec	1	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.
- Sample Diluted Due to Matrix
- H Holding times for preparation 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

Chem Sumpre 12 v								
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** 

## Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/9/2021

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

Cheff Sample 13.		Wittin Soil							
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

EPA METHOD 300.0: ANIONS         Analyst:           Chloride         130         60         mg/Kg         20         7/2/2021 11:45:00 AM           EPA METHOD 8015D MOD: GASOLINE RANGE         Analyst:           Gasoline Range Organics (GRO)         ND         4.9         mg/Kg         1         7/2/2021 11:32:31 AM           Surr: BFB         98.9         70-130         %Rec         1         7/2/2021 11:32:31 AM           EPA METHOD 8015M/D: DIESEL RANGE ORGANICS         Analyst:           Diesel Range Organics (DRO)         ND         9.5         mg/Kg         1         7/1/2021 5:58:16 AM           Motor Oil Range Organics (MRO)         ND         48         mg/Kg         1         7/1/2021 5:58:16 AM           Surr: DNOP         40.8         70-130         S         %Rec         1         7/1/2021 5:58:16 AM           EPA METHOD 8260B: VOLATILES SHORT LIST         Analyst:           Benzene         ND         0.024         mg/Kg         1         7/2/2021 11:32:31 AM           Toluene         ND         0.049         mg/Kg         1         7/2/2021 11:32:31 AM	
Chloride         130         60         mg/Kg         20         7/2/2021 11:45:00 AM           EPA METHOD 8015D MOD: GASOLINE RANGE           Gasoline Range Organics (GRO)         ND         4.9         mg/Kg         1         7/2/2021 11:32:31 AM           Surr: BFB         98.9         70-130         %Rec         1         7/2/2021 11:32:31 AM           EPA METHOD 8015M/D: DIESEL RANGE ORGANICS         Fanalyst:         Analyst:           Diesel Range Organics (DRO)         ND         9.5         mg/Kg         1         7/1/2021 5:58:16 AM           Motor Oil Range Organics (MRO)         ND         48         mg/Kg         1         7/1/2021 5:58:16 AM           Surr: DNOP         40.8         70-130         8         %Rec         1         7/1/2021 5:58:16 AM           EPA METHOD 8260B: VOLATILES SHORT LIST	ch ID
EPA METHOD 8015D MOD: GASOLINE RANGE         Analyst: A	JMT
Gasoline Range Organics (GRO)         ND         4.9         mg/Kg         1         7/2/2021 11:32:31 AM           Surr: BFB         98.9         70-130         %Rec         1         7/2/2021 11:32:31 AM           EPA METHOD 8015M/D: DIESEL RANGE ORGANICS         Analyst:           Diesel Range Organics (DRO)         ND         9.5         mg/Kg         1         7/1/2021 5:58:16 AM           Motor Oil Range Organics (MRO)         ND         48         mg/Kg         1         7/1/2021 5:58:16 AM           Surr: DNOP         40.8         70-130         S         %Rec         1         7/1/2021 5:58:16 AM           EPA METHOD 8260B: VOLATILES SHORT LIST         Analyst:           Benzene         ND         0.024         mg/Kg         1         7/2/2021 11:32:31 AM           Toluene         ND         0.049         mg/Kg         1         7/2/2021 11:32:31 AM	61086
Surr: BFB         98.9         70-130         %Rec         1         7/2/2021 11:32:31 AM           EPA METHOD 8015M/D: DIESEL RANGE ORGANICS         Analyst:           Diesel Range Organics (DRO)         ND         9.5         mg/Kg         1         7/1/2021 5:58:16 AM           Motor Oil Range Organics (MRO)         ND         48         mg/Kg         1         7/1/2021 5:58:16 AM           Surr: DNOP         40.8         70-130         S         %Rec         1         7/1/2021 5:58:16 AM           EPA METHOD 8260B: VOLATILES SHORT LIST         Analyst:           Benzene         ND         0.024         mg/Kg         1         7/2/2021 11:32:31 AM           Toluene         ND         0.049         mg/Kg         1         7/2/2021 11:32:31 AM	RAA
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS         Analyst: Analy	60994
Diesel Range Organics (DRO)         ND         9.5         mg/Kg         1         7/1/2021 5:58:16 AM           Motor Oil Range Organics (MRO)         ND         48         mg/Kg         1         7/1/2021 5:58:16 AM           Surr: DNOP         40.8         70-130         S         %Rec         1         7/1/2021 5:58:16 AM           EPA METHOD 8260B: VOLATILES SHORT LIST         Analyst:           Benzene         ND         0.024         mg/Kg         1         7/2/2021 11:32:31 AM           Toluene         ND         0.049         mg/Kg         1         7/2/2021 11:32:31 AM	60994
Motor Oil Range Organics (MRO)         ND         48         mg/Kg         1         7/1/2021 5:58:16 AM           Surr: DNOP         40.8         70-130         S         %Rec         1         7/1/2021 5:58:16 AM           EPA METHOD 8260B: VOLATILES SHORT LIST         Analyst:           Benzene         ND         0.024         mg/Kg         1         7/2/2021 11:32:31 AM           Toluene         ND         0.049         mg/Kg         1         7/2/2021 11:32:31 AM	JME
Surr: DNOP         40.8         70-130         S         %Rec         1         7/1/2021 5:58:16 AM           EPA METHOD 8260B: VOLATILES SHORT LIST         EPA METHOD 8260B: VOLATILES SHORT LIST         END         0.024         mg/Kg         1         7/2/2021 11:32:31 AM           Toluene         ND         0.049         mg/Kg         1         7/2/2021 11:32:31 AM	61004
EPA METHOD 8260B: VOLATILES SHORT LIST         Analyst: Analyst: Analyst: Analyst: MD 0.024 mg/Kg 1 7/2/2021 11:32:31 AM mg/Kg 1 7/2/2021 11:32:31 AM           Benzene         ND 0.049 mg/Kg 1 7/2/2021 11:32:31 AM	61004
Benzene         ND         0.024         mg/Kg         1         7/2/2021 11:32:31 AM           Toluene         ND         0.049         mg/Kg         1         7/2/2021 11:32:31 AM	61004
Toluene ND 0.049 mg/Kg 1 7/2/2021 11:32:31 AM	RAA
3 3	60994
	60994
Ethylbenzene ND 0.049 mg/Kg 1 7/2/2021 11:32:31 AM	60994
Xylenes, Total ND 0.097 mg/Kg 1 7/2/2021 11:32:31 AM	60994
Surr: 1,2-Dichloroethane-d4 115 70-130 %Rec 1 7/2/2021 11:32:31 AM	60994
Surr: 4-Bromofluorobenzene 101 70-130 %Rec 1 7/2/2021 11:32:31 AM	60994
Surr: Dibromofluoromethane 110 70-130 %Rec 1 7/2/2021 11:32:31 AM	60994
Surr: Toluene-d8 104 70-130 %Rec 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** 

Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/9/2021

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

Cheme Sumple 12.				111441121		, 1L	
Analyses	Result	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 ORGA	NICS					Analys	st: JME
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
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						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 1D. 11 12 2				Matila	. 50	/IL	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analy	st: <b>JMT</b>
Chloride	330	60		mg/Kg	20	7/2/2021 12:09:48 PM	M 61086
EPA METHOD 8015D MOD: GASOLINE RANG	GE					Analy	st: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 12:27:04 PM	M 60994
Surr: BFB	102	70-130		%Rec	1	7/2/2021 12:27:04 PM	M 60994
EPA METHOD 8015M/D: DIESEL RANGE OR	GANICS					Analy	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 LI</b>	ST					Analy	st: RAA
Benzene	ND	0.025		mg/Kg	1	7/2/2021 12:27:04 PM	M 60994
Toluene	ND	0.049		mg/Kg	1	7/2/2021 12:27:04 PM	M 60994
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 12:27:04 PM	M 60994
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 12:27:04 PM	M 60994
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	7/2/2021 12:27:04 PM	M 60994
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/2/2021 12:27:04 PM	M 60994
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/2/2021 12:27:04 PM	M 60994
Surr: Toluene-d8	107	70-130		%Rec	1	7/2/2021 12:27:04 PM	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

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**CLIENT:** 

**Analytical Report** 

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

## Hall Environmental Analysis Laboratory, Inc.

Lab Order: 2106E36

**Project:** Jackson AT Battery

GHD Midland

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

Client Sample ID: TP13-S Matrix: SOIL

					• ~ ~		
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
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						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**Date Reported: **7/9/2021** 

## Hall Environmental Analysis Laboratory, Inc.

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

Cheme pumple 12.				171441121	• 50	, 1L	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed H	Batch ID
EPA METHOD 300.0: ANIONS						Analys	t: <b>JMT</b>
Chloride	310	60		mg/Kg	20	7/2/2021 12:34:37 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Analys	t: 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 ORGA	NICS					Analys	t: JME
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
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Analys	t: 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
- H Holding times for preparation 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 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-61004	SampT	ype: ME	BLK	Tes	tCode: El	PA Method	8015M/D: Di	esel Range	e Organics	
Client ID: PBS	Batch	n ID: <b>61</b>	004	F	RunNo: 7	9496				
Prep Date: 6/29/2021	Analysis D	Date: 7/	1/2021	9	SeqNo: 2	794892	Units: mg/k	<b>(</b> 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	SamnT	ype: <b>LC</b>	· s	Tes	tCode: <b>F</b> I	PA Method	8015M/D: Di	osol Pang	Organics	
	Oump i	ypc. <b>LC</b>	.0	100	loode. L	Ailiculou	OU I SINI/D. DI	esei ivaligi	e Organics	
Client ID: LCSS	·	n ID: <b>61</b>			RunNo: <b>7</b>		0013W/D. DI	esei italigi	e Organics	
	·	n ID: <b>61</b>	004	F		9496	Units: mg/k		e Organics	
Client ID: LCSS	Batch	n ID: <b>61</b>	004 1/2021	F	RunNo: 7	9496			RPDLimit	Qual
Client ID: LCSS Prep Date: 6/29/2021	Batch Analysis D	n ID: <b>61</b> Date: <b>7/</b>	004 1/2021	F	RunNo: <b>7</b> SeqNo: <b>2</b>	9496 794894	Units: mg/h	(g	•	Qual
Client ID: LCSS Prep Date: 6/29/2021 Analyte	Batch Analysis D Result	n ID: <b>61</b> Date: <b>7</b> /	004 1/2021 SPK value	SPK Ref Val	RunNo: <b>7</b> SeqNo: <b>2</b> %REC	9496 794894 LowLimit	Units: <b>mg/k</b> HighLimit	(g	•	Qual S
Client ID: LCSS Prep Date: 6/29/2021 Analyte Diesel Range Organics (DRO)	Batch Analysis D Result 47 3.5	n ID: <b>61</b> Date: <b>7</b> /	004 1/2021 SPK value 50.00 5.000	SPK Ref Val	RunNo: <b>7</b> SeqNo: <b>2</b> %REC  93.7  69.8	9496 794894 LowLimit 68.9 70	Units: mg/F HighLimit	<b>(g</b> %RPD	RPDLimit	

Prep Date: 6/29/2021	Analysis D	ate: 7/1	/2021	S	SeqNo: <b>2794934</b> Units: <b>mg/Kg</b>						
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: 2106E36-010AMSI	<b>S</b> ampT	ype: <b>MS</b> I	D	D TestCode: EPA Method 8015M/D: Diesel Range Organics							
OI: 41D	5	ID -1-		_							

Campic ID. 2100L30-010AWK	Oampi	ypc. Wic	טו	103	10310000. LI A Method 0013M/D. Diesel Kange 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	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	Sampi	ype: IVIE	SLK	res	tCode: El	PA Wethod	8015M/D: DIE	esei Range	Organics	
Client ID: PBS	Batch	1D: <b>61</b> 0	003	F	RunNo: <b>7</b> 9	9521				
Prep Date: 6/29/2021	Analysis D	ate: 6/	30/2021	9	SeqNo: 2	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.

2106E36 09-Jul-21

WO#:

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: mb-60981	SampT	ype: ME	BLK	Tes	tCode: El	iles				
Client ID: PBS	Batch	n ID: <b>60</b> 9	981	F	RunNo: 7					
Prep Date: 6/28/2021	Analysis D	Date: 7/	2/2021	S	SeqNo: 2					
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	Samp1	npType: LCS TestCode: EPA Method						tiles		
Client ID: LCSS	Batcl	h ID: <b>60</b> 9	981	F	RunNo: 7	9563				
Prep Date: 6/28/2021	Analysis D	Date: <b>7/</b>	2/2021	S	SeqNo: 2	798542	Units: mg/K			
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	ype: MI	BLK	Tes	TestCode: EPA Method 8021B: Volatiles					
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: <b>2799582</b> Unit					
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	TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch	n ID: <b>61</b>	115	F	RunNo: <b>7</b>	9580					
Prep Date: 7/2/2021	Analysis Date: 7/6/2021			\$	SeqNo: 2	799584	Units: %Red	:			
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

- 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	•	ype: MS		TestCode: EPA Method 8260B: Volatiles Short List						
Client ID: TP8-10	Batcl	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	5	SeqNo: 2	798982	Units: mg/Kg			
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	SampType: MSD4  Batch ID: 60994  Analysis Date: 7/2/2021			TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: TP8-10				RunNo: <b>79523</b>							
Prep Date: 6/29/2021				SeqNo: 2798983			Units: mg/Kg				
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	Type: <b>LC</b>	S4	TestCode: EPA Method 8260B: Volatiles Short List							
Client ID: BatchQC Batch ID: 60994				RunNo: <b>79523</b>							
Prep Date: 6/29/2021	Analysis Date: 7/2/2021			S	SeqNo: 27	799002	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				

#### Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation 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-60994 Client ID: PBS	SampType: <b>MBLK</b> Batch ID: <b>60994</b>			Tes F	List					
Prep Date: 6/29/2021	Analysis 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

- 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 SampType: MS TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: TP8-6 Batch ID: 60994 RunNo: 79523 Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2799007 Units: mq/Kq SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte Result PQL LowLimit Qual 1.402 Gasoline Range Organics (GRO) 22 4.9 24.30 85.7 64.4 124 Surr: BFB 470 485.9 96.8 130

Sample ID: 2106e36-010amsd TestCode: EPA Method 8015D Mod: Gasoline Range SampType: MSD Client ID: TP8-6 Batch ID: 60994 RunNo: 79523 Prep Date: Analysis Date: 7/2/2021 SeqNo: 2799008 6/29/2021 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual Gasoline Range Organics (GRO) 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 SampType: LCS TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: LCSS Batch ID: 60994 RunNo: 79523 Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2799028 Units: mg/Kg Result SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Analyte PQL LowLimit Qual Gasoline Range Organics (GRO) 24 5.0 25.00 0 97.1 70 130 Surr: BFB 101 500 500.0 70 130

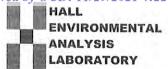
TestCode: EPA Method 8015D Mod: Gasoline Range Sample ID: mb-60994 SampType: MBLK Client ID: PBS Batch ID: 60994 RunNo: 79523 Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2799029 Units: mg/Kg SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Result PQL LowLimit Qual Gasoline Range Organics (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 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 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: 2106E36 RcptNo: 1 Received By: Juan Rojas 6/26/2021 8:30:00 AM Completed By: Cheyenne Cason 6/26/2021 10:16:03 AM Reviewed By: SGC 6/20/21 Chain of Custody 1. Is Chain of Custody complete? Yes 🗸 No 🗌 Not Present 2. How was the sample delivered? Courier 3. Was an attempt made to cool the samples? No 🗌 Yes 🗸 NA 🗌 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 🗸 No 🗌 7. Are samples (except VOA and ONG) properly preserved? No 🗌 Yes 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? 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? V 14. Were all holding times able to be met? No 🗌 Yes 🗸 Checked by: DAD 6.26.21 (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 0.7 Good 2 0.1 Good

Mailing Address:   Project Name:   Project Name   Projec	0 0
Address:   Project Name:   Project Name:   Project Name:   Tel.	www.hallenvironmental.com  Www.hallenvironmental.com  Www.hallenvironmental.com  EDB (Method 504.1)  PAHs by 8310 or 8270SIMS  PCRA 8 Metals  CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA)  R270 (Semi-VOA)  Total Coliform (Present/Absent)
### (505)377-4218    Main St. Suite 108, Artesia NM 88210   Project ##	### 100   10
Froject #: 6065)377-4218	### 8081 Pesticides/8082 PCB's  ### 505-347-3975  ### 505-347-3975  ### 505-347-3975  ### 505-347-3975  ### 505-347-3975  ### 505-3975  ### 50
##: (505)377-4218  or Fax#: Becky, Haskell@ghd.com Project Manager:  Package:  Data	BO81 Pesticides/8082 PCB's  EDB (Method 504.1)  PAHs by 8310 or 8270SIMS  RCRA 8 Metals  CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA)  8270 (Semi-VOA)  Total Coliform (Present/Absent)
Project Manager: Package: Pack	8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub> 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absent)
Package:  Indard	8081 Pesticides/8082 PCB's EDB (Method 504.1) PAHs by 8310 or 8270SIMS RCRA 8 Metals CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SC 8260 (VOA) 8270 (Semi-VOA) Total Coliform (Present/Absen
Time Matrix Sample Name Type and # Type Cools TRAL No. TRA-2  Onlos: X yes INO  # of Cooler Tempinotusing cp; 6.9-6.2 2 6.9  Container Preservative HEAL No. HEAL No. TRA-2  Onlos: X yes INO  # of Cooler Tempinotusing cp; 6.9-6.2 2 6.9  Cooler Tempinotusing cp; 6.9  Cooler Tempinotusing cp; 6.9  Cooler Tempinotusing cp; 6.9	8081 Pesticides/8082 PG EDB (Method 504.1) PAHs by 8310 or 82705 CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PG 8250 (VOA) Total Coliform (Presentive
LAC Compliance Sampler: Zach Comino  LAC Cother  Defendance Sampler: Zach Comino  Defendance Name Type and # Type Cother Templmending orp:  Container Preservative HEAL No.	8081 Pesticides/8082 EDB (Method 504.1) PAHs by 8310 or 827 CI, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , 8260 (VOA) Total Coliform (Preser
Time Matrix Sample Name Type and # Type Coolers: 2007   Matrix Sample Name Type and # Type   Cooler Temptinetuding crit.   Coo	8081 Pesticides/ EDB (Method 50 PAHs by 8310 or RCRA 8 Metals CI, F, Br, NO <sub>3</sub> , 8260 (VOA)
Time Matrix Sample Name Type and # Type	8081 Pesticid EDB (Method PAHs by 8310 CI, F, Br, NC 8260 (VOA)
Time Matrix Sample Name Type and # Type Container Preservative Co.2.2.6.7 E. S.	8081 Pesti PAHs by 8 CI, F, Br, CI, F, Br,
Time         Matrix         Sample Name         Container Type and # Type         Preservative HEAL No. 出	8081 F EDB (I RCRA CI, F,
CBSC       S       TP4-2       Jun       CP1       YX         CPSS       TP4-6       1       CP2       1         CP1S       TP5-8       CP3       1         CP1S       TP5-2       CP3       1         CPSC       TP6-3       CP5       1         CPSS       TP6-2       CP6       1         CPSS       TP7-S       CP6       1         CPSS       TP7-S       CP6       1	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
0855   TP4-6 ; 0915   TP5-5 0940   TP5-2 0950   TP6-5 0955   TP6-7	S
TPS-S TPC-S TPC-S TPC-S	}
TR-2 TR-3 TR-2	
TR-8 TR-2 TP-5	
7-2-1-5-1-5-1-5-1-5-1-5-1-5-1-5-1-5-1-5-1	
T-75-S	
1010 77-2	
2	
1030 TPB-6	
1040 1-188-10	
V V 210 V 2-P9-2	
Relinquished by:  Received by:  Annual Date Time	Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ahd.com; Zach.Comino@ahd.com: Along with
Time: Relinquished by: Received by: Via: Date Time	Becky Haskell listed above.  Direct Bill to EOG Chase Settle

Project Name   Proj	מומוו. מוח			,		1		I			DY Y		-
Mailing Address:	sed to			Project Nam		in S-da		4	NAL	YSI	SLAB	ORATO	12
Project ##   1920 9/32   Project ##   1920 9/32		ess:		r	1			1	www.hal	environ	mental.co	Е	
Phone #: (505)377-4218		St. Suite 1		and the same	1	To House	490	1 Hawkir	- BN Sr	Albuqu	erque, NN	187109	
Standard	1				150 001	) ; ;	ie l		5-3975	Fax	505-345-4	1107	
Sample   S	email or Faxa		Haskell@ghd.com	Project Man		7			4	allysis	Request		
Sampler: Zech Comino   Contation:   Sampler: Zech Comino   Contation:   Contation				Becky Haske			оы			os	ent)		
Contained   Az Compliance   Sampler: Zach Comino   Di Type	□ Standard		☐ Level 4 (Full Validation)	Tom Larson			N / C			' <sup>†</sup> Oc	sdA\	QS	
Time   Matrix   Sample   Name   Force   Type and # Ty	Accreditation		ompliance	Sampler:	Zach Comin	01	DRO	(1		J 'ZC	ques	- C	
Time   Matrix Sample Name   # of Coolers: 2   Cooler Temporatoring CP; 0 9-0.2=0.7   PERIL NO.   Imperator   Preservative   U.3-0.2=0.7   PERIL NO.   Imperator   Preservative   U.3-0.2=0.7   PERIL NO.   Imperator   Preservative   U.3-0.2=0.7   PERIL NO.   Imperator   PERIL NO.   PERIL NO.   Imperator   PERIL NO.	□ NELAC		95	On Ice:	X Yes	In	/ C	.40		N	_	M	
Time Matrix Sample Name Type and # Type of 2.0.2.0.7.0.1.20.1    1255	□ EDD (Typ	(e)		# of Coolers	2		СВ	)g p	sle	O <sup>3</sup> '	_	n	
Time Matrix Sample Name Type and # Type Government Preservative Container Preservative HEAL No. 125.7 100.66.36 100.14 100.15 1125.5 11				Cooler Temp	Vincluding CF).	11	)DS	оц	ίθΜ		_	7	
ILLO   S   TP9-10   Clark				Container Type and #	Preservative Tvpe	0.3-0.2 HEAL	108:Hc	∍M) 80	8 AAC			610,1	
1265   TP9-17   Cold   Cold     13c0   TP10-2   Cold     13c0   TP10-2   Cold     13c0   TP10-2   Cold     13c0   TP10-2   Cold     14c0   TP12-2   Cold     14c0   TP13-2   Cold     16c0   Cold   Cold   Cold   Cold   Cold     16c0   Cold   Cold   Cold   Cold   Cold   Cold     16c0   Cold   Co	042421 1110	8	-	)		Cer	2 5	13	Я			2	
13c    TPP-20	1 (25	2	179-17	_		5		+	İ	-	1	0	
1320   TP10-2   O16   O17   O18   O18   O18   O18   O18   O18   O19	18	£VI	TP9-20			3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-	+	-				
1330   TPN-2   O18   O17   O18   O18   O19   O	1324	0	TP10-S			75		+	-	-	+		
1340         TPN-5         OLB           1355         TPN-2         019           1400         TPN-2         020           1415         TPN-2         021           1415         TPN-2         022           1415         TPN-2         022           1450         TPN-3         022           1450         TPN-3         023           1450         TPN-3         TIme           1450         TPN-3         TIme <td>133</td> <td>0</td> <td>2-0197</td> <td></td> <td></td> <td>017</td> <td></td> <td>-</td> <td>+</td> <td>-</td> <td>-</td> <td></td> <td></td>	133	0	2-0197			017		-	+	-	-		
1345   7731-2   019   020	1340	0	2-11-51			×10		+	1	1	+		
1400   TP12-2   221   221   221   221   221   221   221   221   222   222   222   222   222   223   223   223   224	1345	10	2-161			510							
1400         TD12-2         221           1415         173-2         022           1450         173-2         023           Time:         Relinquished by:         Received by:           Time:         Relinquished by:         Received by:           Time:         Relinquished by:           Time:         Received by:           Time:         Date	1355	10	S-2197			2200			+		-		
14VS         TP13-S         V         022           14So         V         TP13-2         V           Time:         Relinquished by:         Received by:         Via:         Date Time           Time:         Relinquished by:         Received by:         Via:         Date Time	140		T-212-2			120		-	-				
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Time: Relinquished by:  Received by:  Receiv	145	>	1.00	3		023	2				3		
Time: Relinquished by: Received by: Via: Date Time	-	Relinquish	ed by:	Received by:	Via:		Remark	ks: Pleas	e email:	Chase	Settle@e	ogresources.cc	- i.
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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

andy

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

Chem Sumpic 12 ( )						<del></del>	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analy	/st: MRA
Chloride	6000	300		mg/Kg	100	7/6/2021 10:57:00 A	M 61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Analy	/st: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/2/2021 1:49:01 PM	60994
Surr: BFB	104	70-130		%Rec	1	7/2/2021 1:49:01 PM	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 7:59:40 AM	61004
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 7:59:40 AM	61004
Surr: DNOP	52.7	70-130	S	%Rec	1	7/1/2021 7:59:40 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Analy	/st: RAA
Benzene	ND	0.023		mg/Kg	1	7/2/2021 1:49:01 PM	60994
Toluene	ND	0.046		mg/Kg	1	7/2/2021 1:49:01 PM	60994
Ethylbenzene	ND	0.046		mg/Kg	1	7/2/2021 1:49:01 PM	60994
Xylenes, Total	ND	0.092		mg/Kg	1	7/2/2021 1:49:01 PM	60994
Surr: 1,2-Dichloroethane-d4	121	70-130		%Rec	1	7/2/2021 1:49:01 PM	60994
Surr: 4-Bromofluorobenzene	110	70-130		%Rec	1	7/2/2021 1:49:01 PM	60994
Surr: Dibromofluoromethane	114	70-130		%Rec	1	7/2/2021 1:49:01 PM	60994
Surr: Toluene-d8	108	70-130		%Rec	1	7/2/2021 1:49:01 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** 

### Hall Environmental Analysis Laboratory, Inc.

Date Reported: 7/8/2021

2106E37

Lab Order:

CLIENT: GHD Midland

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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**CLIENT:** 

**Analytical Report** 

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

2106E37

### Hall Environmental Analysis Laboratory, Inc.

Lab Order:

**Project:** Jackson AT Battery

GHD Midland

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

Client Sample ID: TP14-10 Matrix: SOIL

Chem Sumpic 22 C							
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.

CLIENT: GHD Midland Lab Order: 2106E37

**Project:** Jackson AT Battery

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

Client Sample ID: TP14-12 Matrix: SOIL

Cheme Sumple 12.				111441123		.12	
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 1:49:03 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Analy	st: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 3:11:13 PM	60994
Surr: BFB	102	70-130		%Rec	1	7/2/2021 3:11:13 PM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Analy	st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	7/1/2021 9:12:47 AM	61004
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/1/2021 9:12:47 AM	61004
Surr: DNOP	45.7	70-130	S	%Rec	1	7/1/2021 9:12:47 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Analy	st: RAA
Benzene	ND	0.024		mg/Kg	1	7/2/2021 3:11:13 PM	60994
Toluene	ND	0.048		mg/Kg	1	7/2/2021 3:11:13 PM	60994
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 3:11:13 PM	60994
Xylenes, Total	ND	0.096		mg/Kg	1	7/2/2021 3:11:13 PM	60994
Surr: 1,2-Dichloroethane-d4	122	70-130		%Rec	1	7/2/2021 3:11:13 PM	60994
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	7/2/2021 3:11:13 PM	60994
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/2/2021 3:11:13 PM	60994
Surr: Toluene-d8	107	70-130		%Rec	1	7/2/2021 3:11:13 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.

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

Cheme Sumple 12.				111441121			
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 2:01:27 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE						Analy	/st: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 5:27:59 PM	60994
Surr: BFB	103	70-130		%Rec	1	7/2/2021 5:27:59 PM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGA	NICS					Analy	/st: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	7/1/2021 9:37:05 AM	61004
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	7/1/2021 9:37:05 AM	61004
Surr: DNOP	38.9	70-130	S	%Rec	1	7/1/2021 9:37:05 AM	61004
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>						Analy	/st: RAA
Benzene	ND	0.025		mg/Kg	1	7/2/2021 5:27:59 PM	60994
Toluene	ND	0.050		mg/Kg	1	7/2/2021 5:27:59 PM	60994
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 5:27:59 PM	60994
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 5:27:59 PM	60994
Surr: 1,2-Dichloroethane-d4	116	70-130		%Rec	1	7/2/2021 5:27:59 PM	60994
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	7/2/2021 5:27:59 PM	60994
Surr: Dibromofluoromethane	110	70-130		%Rec	1	7/2/2021 5:27:59 PM	60994
Surr: Toluene-d8	108	70-130		%Rec	1	7/2/2021 5:27:59 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:** 2106E37-006 Collection Date: 6/25/2021 8:45:00 AM

Client Sample ID: TP15-2 Matrix: SOIL

Chem Sumpic 12 ( )						· <del></del>	
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 RANGE						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 ORGA	NICS					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 LIST</b>						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
- H Holding times for preparation 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: **2106E37**Date Reported: **7/8/2021** 

## Hall Environmental Analysis Laboratory, Inc.

**Lab Order:** 2106E37

**Project:** Jackson AT Battery

GHD Midland

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

Client Sample ID: TP16-S Matrix: SOIL

Analyses	Result	RL	Qual Units	DF	Date Analyzed B	atch ID
EPA METHOD 300.0: ANIONS					Analys	t: JMT
Chloride	ND	60	mg/Kg	20	7/2/2021 2:26:17 PM	61086
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS				Analys	t: JME
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	Batch ID
EPA METHOD 300.0: ANIONS						Analy	st: <b>VP</b>
Chloride	400	61		mg/Kg	20	7/2/2021 4:09:50 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analy	st: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/30/2021 4:11:35 PM	<i>l</i> 61007
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 4:11:35 PM	<i>l</i> 61007
Surr: DNOP	53.4	70-130	S	%Rec	1	6/30/2021 4:11:35 PM	<i>l</i> 61007
EPA METHOD 8015D: GASOLINE RANGE						Analy	st: 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						Analy	st: 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.
- D Sample Diluted Due to Matrix
- H Holding times for preparation 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:** 2106E37-009 **Collection Date:** 6/25/2021 9:15:00 AM

Client Sample ID: TP17-S Matrix: SOIL

Chent Sample ID: 1717-5				Matrix	: 50	IL .	
Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Anal	lyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/2/2021 4:22:15 PM	M 61088
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Anal	yst: <b>JME</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/30/2021 4:35:49 F	PM 61007
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/30/2021 4:35:49 F	PM 61007
Surr: DNOP	50.3	70-130	S	%Rec	1	6/30/2021 4:35:49 F	PM 61007
EPA METHOD 8015D: GASOLINE RANGE						Anal	lyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 2:18:08 PM	M 61005
Surr: BFB	100	70-130		%Rec	1	7/2/2021 2:18:08 PM	M 61005
EPA METHOD 8021B: VOLATILES						Anal	yst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	7/2/2021 2:18:08 PM	M 61005
Toluene	ND	0.050		mg/Kg	1	7/2/2021 2:18:08 PM	И 61005
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 2:18:08 PM	M 61005
Xylenes, Total	ND	0.10		mg/Kg	1	7/2/2021 2:18:08 PM	M 61005
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	7/2/2021 2:18:08 PM	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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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 H	Batch ID
EPA METHOD 300.0: ANIONS						Analys	st: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/2/2021 4:34:39 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORG	ANICS					Analys	t: JME
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	6/30/2021 5:00:08 PM	61007
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/30/2021 5:00:08 PM	61007
Surr: DNOP	63.1	70-130	S	%Rec	1	6/30/2021 5:00:08 PM	61007
EPA METHOD 8015D: GASOLINE RANGE						Analys	t: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 2:41:55 PM	61005
Surr: BFB	100	70-130		%Rec	1	7/2/2021 2:41:55 PM	61005
EPA METHOD 8021B: VOLATILES						Analys	t: NSB
Benzene	ND	0.025		mg/Kg	1	7/2/2021 2:41:55 PM	61005
Toluene	ND	0.050		mg/Kg	1	7/2/2021 2:41:55 PM	61005
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 2:41:55 PM	61005
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 2:41:55 PM	61005
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	7/2/2021 2:41:55 PM	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 B	atch ID
EPA METHOD 300.0: ANIONS						Analys	t: <b>VP</b>
Chloride	ND	60		mg/Kg	20	7/2/2021 4:47:04 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORG	SANICS					Analys	t: JME
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	t: 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	t: 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

			Matrix	: 50	)IL	
Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
					Analy	/st: <b>VP</b>
140	60		mg/Kg	20	7/2/2021 4:59:28 PM	61088
SANICS					Analy	/st: <b>JME</b>
10	9.6		mg/Kg	1	6/30/2021 6:12:51 PM	M 61007
ND	48		mg/Kg	1	6/30/2021 6:12:51 PM	M 61007
60.9	70-130	S	%Rec	1	6/30/2021 6:12:51 PM	M 61007
					Analy	/st: NSB
ND	4.8		mg/Kg	1	7/2/2021 4:40:36 PM	61005
99.8	70-130		%Rec	1	7/2/2021 4:40:36 PM	61005
					Analy	/st: NSB
ND	0.024		mg/Kg	1	7/2/2021 4:40:36 PM	61005
ND	0.048		mg/Kg	1	7/2/2021 4:40:36 PM	61005
ND	0.048		mg/Kg	1	7/2/2021 4:40:36 PM	61005
ND	0.096		mg/Kg	1	7/2/2021 4:40:36 PM	61005
98.6	70-130		%Rec	1	7/2/2021 4:40:36 PM	61005
	140 GANICS  10 ND 60.9  ND 99.8  ND ND ND ND ND ND	140 60  GANICS  10 9.6  ND 48  60.9 70-130  ND 4.8  99.8 70-130  ND 0.024  ND 0.048  ND 0.048  ND 0.096	140 60  GANICS  10 9.6  ND 48  60.9 70-130 S  ND 4.8  99.8 70-130  ND 0.024  ND 0.048  ND 0.048  ND 0.096	Result         RL         Qual         Units           140         60         mg/Kg           GANICS         10         9.6         mg/Kg           ND         48         mg/Kg           60.9         70-130         S         %Rec           ND         4.8         mg/Kg           99.8         70-130         %Rec           ND         0.024         mg/Kg           ND         0.048         mg/Kg           ND         0.048         mg/Kg           ND         0.048         mg/Kg           ND         0.048         mg/Kg           ND         0.096         mg/Kg	Result         RL         Qual         Units         DF           140         60         mg/Kg         20           GANICS         10         9.6         mg/Kg         1           ND         48         mg/Kg         1           60.9         70-130         S         %Rec         1           ND         4.8         mg/Kg         1           99.8         70-130         %Rec         1           ND         0.024         mg/Kg         1           ND         0.048         mg/Kg         1           ND         0.048         mg/Kg         1           ND         0.048         mg/Kg         1           ND         0.096         mg/Kg         1	Analy 140 60 mg/Kg 20 7/2/2021 4:59:28 PM  Analy 10 9.6 mg/Kg 1 6/30/2021 6:12:51 PI ND 48 mg/Kg 1 6/30/2021 6:12:51 PI 60.9 70-130 S %Rec 1 6/30/2021 6:12:51 PI  Analy ND 4.8 mg/Kg 1 7/2/2021 4:40:36 PM 99.8 70-130 %Rec 1 7/2/2021 4:40:36 PM ND 0.044 mg/Kg 1 7/2/2021 4:40:36 PM ND 0.048 mg/Kg 1 7/2/2021 4:40:36 PM ND 0.096 mg/Kg 1 7/2/2021 4:40:36 PM

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

#### Qualifiers:

- Value exceeds Maximum Contaminant Level.
- Sample Diluted Due to Matrix
- H Holding times for preparation 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: 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.

2106E37 08-Jul-21

WO#:

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-61004	SampT	уре: МЕ	BLK	Test	Code: <b>EF</b>	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: PBS	Batch	n ID: <b>61</b>	004	R	RunNo: <b>7</b> 9	9496				
Prep Date: 6/29/2021	Analysis D	ate: 7/	1/2021	S	SeqNo: 27	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: MB-61007	SampT	ype: ME	BLK	Test	Code: EF	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: PBS	Batch	n ID: <b>61</b>	007	R	RunNo: <b>7</b> 9	9496				
Prep Date: 6/29/2021	Analysis D	ate: <b>6/</b>	30/2021	S	SeqNo: 27	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	50								
Surr: DNOP	9.6		10.00		95.8	70	130			
Sample ID: LCS-61004	SampT	ype: <b>LC</b>	s	Test	Code: <b>EF</b>	PA Method	8015M/D: Die	esel Range	Organics	
Client ID: LCSS	Batch	n ID: <b>61</b>	004	R	RunNo: <b>7</b> 9	9496				
Prep Date: 6/29/2021	Analysis D	ate: 7/	1/2021	S	SeqNo: 27	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	•		C0 0				
			00.00	0	93.7	68.9	141			
Surr: DNOP	3.5		5.000	0	93.7 69.8	70	141 130			S
Sample ID: LCS-61007		ype: <b>LC</b>	5.000		69.8	70		esel Range	e Organics	S
	SampT	ype: <b>LC</b>	5.000	Test	69.8	70 PA Method	130	esel Range	e Organics	S
Sample ID: LCS-61007	SampT	n ID: <b>61</b>	5.000 S S 007	Test R	69.8 tCode: <b>EF</b>	70 PA Method 9496	130		e Organics	S
Sample ID: LCS-61007 Client ID: LCSS	SampT Batch	n ID: <b>61</b>	5.000 SS 007 30/2021	Test R	69.8 tCode: <b>EF</b> RunNo: <b>7</b> 9	70 PA Method 9496	130 <b>8015M/D: Di</b> e		e Organics RPDLimit	S Qual
Sample ID: LCS-61007 Client ID: LCSS Prep Date: 6/29/2021	SampT Batch Analysis D	n ID: <b>61</b> 0 Pate: <b>6/</b>	5.000 SS 007 30/2021	Test R S	69.8 tCode: <b>EF</b> RunNo: <b>79</b> GeqNo: <b>27</b>	70 PA Method 9496 794895	130 <b>8015M/D: Die</b> Units: <b>mg/K</b>	(g	-	
Sample ID: LCS-61007 Client ID: LCSS Prep Date: 6/29/2021 Analyte	SampT Batch Analysis D Result	n ID: <b>61</b> 0 Pate: <b>6/</b>	5.000 5.8 0007 730/2021 SPK value	Test R S SPK Ref Val	69.8 tCode: EF RunNo: 79 SeqNo: 27	70 PA Method 9496 794895 LowLimit	130  8015M/D: Did  Units: mg/K  HighLimit	(g	-	
Sample ID: LCS-61007 Client ID: LCSS Prep Date: 6/29/2021 Analyte Diesel Range Organics (DRO)	SampT Batch Analysis D Result 49 4.2	n ID: <b>61</b> 0 Pate: <b>6/</b>	5.000 SS 007 SPK value 50.00 5.000	Test R S SPK Ref Val 0	69.8 tCode: EF RunNo: 79 SeqNo: 27 %REC 98.8 84.1	70 PA Method 9496 794895 LowLimit 68.9 70	130  8015M/D: Die  Units: mg/K  HighLimit  141	( <b>g</b> %RPD	RPDLimit	
Sample ID: LCS-61007 Client ID: LCSS Prep Date: 6/29/2021 Analyte Diesel Range Organics (DRO) Surr: DNOP	SampT  Batch  Analysis D  Result  49  4.2  SampT	PQL 10	5.000 SS 007 30/2021 SPK value 50.00 5.000	Test R S SPK Ref Val 0	69.8 tCode: EF RunNo: 79 SeqNo: 27 %REC 98.8 84.1	70 PA Method 9496 794895 LowLimit 68.9 70 PA Method	130  8015M/D: Die  Units: mg/K  HighLimit 141 130	( <b>g</b> %RPD	RPDLimit	

#### 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)

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

92.0

59.4

LowLimit

15

70

HighLimit

184

130

%RPD

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

SPK value SPK Ref Val %REC

0

49.31

4.931

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**RPDLimit** 

Qual

S

Result

45

2.9

PQL

9.9

### 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 46 9.8 49.12 94.0 15 184 23.9 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.

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

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: mq/Kq

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

Surr: BFB 1100 992.1 109 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: mg/Kg

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 4.7 114 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 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: 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 [	Date: <b>7/</b>	2/2021	\$	SeqNo: 2	797846	Units: mg/K	(g		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	89.0	80	120			
Toluene	0.92	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: <b>7/</b>	2/2021	5	SeqNo: 2	797849	Units: mg/k	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	oate: <b>7/</b>	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	Tes	tCode: El	PA Method	8260B: Vola	iles Short	List	
Client ID: BatchQC	Batcl	h ID: <b>60</b> 9	994	F	RunNo: <b>7</b> 9	9523				
Prep Date: 6/29/2021	Analysis D	Date: <b>7/</b> 2	2/2021	8	SeqNo: 2	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			

Sample ID: <b>mb-60994</b>	Sampl	уре: <b>МЕ</b>	BLK	Tes	tCode: El	PA Method	8260B: Volat	iles Short	List	
Client ID: PBS	Batcl	h ID: <b>60</b> 9	994	F	RunNo: <b>7</b>	9523				
Prep Date: 6/29/2021	Analysis D	Date: 7/	2/2021	5	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
- 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 TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: LCSS Batch ID: 60994 RunNo: 79523 Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2799028 Units: mg/Kg PQL SPK value SPK Ref Val %REC HighLimit %RPD **RPDLimit** Qual Analyte Result LowLimit 0 Gasoline Range Organics (GRO) 24 5.0 25.00 97.1 70 130 Surr: BFB 500 500.0 101 70 130

Sample ID: mb-60994 SampType: MBLK TestCode: EPA Method 8015D Mod: Gasoline Range Client ID: PBS Batch ID: 60994 RunNo: 79523 Prep Date: 6/29/2021 Analysis Date: 7/2/2021 SeqNo: 2799029 Units: mg/Kg Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD **RPDLimit** Qual ND

Gasoline Range Organics (GRO) Surr: BFB

5.0 490

500.0

98.0

70

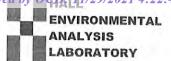
130

#### 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

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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 Nar	me: GHD		Wor	k Order Nu	mber: 210	6E37		RcptNo: 1
Received	By: Juan Ro	jas	6/26/2	021 8:30:0	) AM		Hansay	3
Completed	By: Cheyenr	ne Cason	6/26/2	021 10:34:	03 AM		Clear	
Reviewed I		6 /2×101					Quic	
Chain of	Custody							
1. Is Chain	of Custody com	plete?			Yes	~	No 🗆	Not Present
2. How was	s the sample del	ivered?			Cou	rier		
Log In	mark to the							
o. Was an	attempt made to	cool the samp	oles?		Yes	<b>V</b>	No 🗌	NA 🗌
4. Were all	samples receive	d at a tempera	ature of >0° C	to 6.0°C	Yes	<b>V</b>	No 🗌	NA 🗆
5. Sample(	s) in proper cont	ainer(s)?			Yes	V	No 🗌	
6. Sufficient	sample volume	for indicated to	est(s)?		Yes	~	No 🗌	
7. Are samp	oles (except VOA	and ONG) pro	operly preserv	ed?	Yes	~	No 🗆	
	servative added t				Yes		No 🗸	NA 🗌
9. Received	at least 1 vial wi	th headspace	<1/4" for AQ \	/OA?	Yes		No 🗌	NA 🗸
10. Were any	y sample contain	ers received b	roken?		Yes		No 🗸	
	erwork match bo		,		Yes	<b>V</b>	No 🗌	# of preserved bottles checked for pH:
	ces correctly iden				Yes	V	No 🗌	(<2 or >12 unless noted) Adjusted?
	what analyses w					<b>V</b>	No 🗆	, injusting
	nolding times abl					<b>V</b>	No 🗆	Checked by: DAD 6.26.21
(If no, not	ify customer for	authorization.)			100			2.26.27
Special Ha	ndling (if ap	olicable)						
15. Was clier	nt notified of all d	iscrepancies v	vith this order	<b>)</b>	Yes		No 🗆	NA 🗹
Per	son Notified:			Date	: [	_		
Ву	Whom:			Via:	☐ eMa	ail 🗍	Phone Fax	In Person
	garding:							
Clie	ent Instructions:							
16. Additiona	al remarks:							
17. Cooler II	nformation							
Coole	The second second	Condition	Seal Intact	Seal No	Seal Da	ate	Signed By	
1	0.7	Good					and the same of th	
2	0.1	Good						

	Chai	n-of-C	Chain-of-Custody Record	Turn-Around Time:	d Time:									Rec
	II. GHD			∑ Standard	d Rush	0-5		I	HALL	EN	VIR	ENVIRONMENT	ENTAL	
				Project Name:		0		⋖	NAI	ANALYSIS		ABOR		100
Mailir	Mailing Address:	SSS:		Tooles	The MA	X HX			www.ha	www.hallenvironmental.com	nment	al.com		<b>OCD</b>
324 \	324 W. Main St.		Suite 108, Artesia NM 88210	Project #:			4801	4901 Hawkins NE	IS NE	· Albuq	nerque	Albuquerque, NM 87109	6	: 11
Phone #:	e #:	(505)3	(505)377-4218		1100 92011		Tel.	505-34	505-345-3975	Fax	505-3	Fax 505-345-4107		/29/2
emai	email or Fax#:		Becky. Haskell@ghd.com	Project Manager	7			t		Analysis	s Request	lest		202
QA/QC	QA/QC Package:	je:	☐ Level 4 (Full Validation)	Becky Haskell Tom Larson	; 0 = 0		(8021) (MRO)		SWI	*OS '*C		(bsent)		4:22:4
Accreditati	Accreditation:			Sampler:	Zach Comino		OBO	(1.	S0278	10 <sub>2</sub> , P(		A/Yuəsi		4 PM
	EDD (Type)			# of Coolars	> Yes	ON [	ВО	₽0 <u>9</u>		ν 'ε		(Pre		_
				Cooler Temp(including cF).	(including CF). 6.5	4.0.2.20.7	eD(G	poq			)√-iπ	orm		
Date	Time	Matrix	Sample Name	Container Type and #	Preservative C.	3-0.2-0.1 HEAL No.		əM) ac	yd sH <i>i</i> 18 AЯ3	E, Br,	198) 07	al Colif		
062521	0830	Ø	7-41917			LIDEE31	H S	13			85.	2		
+	2000	1	TP14-6.1		5 8	008	7			+	1	2		1
	0830	0	01-HIGT		200	18.12				1	1	-		
	0835		TP14-12		3	4		+		1		-		
	0840	0	TPIS-S		3 6			+	1	1	+			
	248	10	7-24-2		8					1	+			
1	0880		7.516-S		18	2 1		+	1		+			
	000		2-9101		8	8		+	1	1	+			
-	5160		TP17-5		833	8		+			+			
	02720		2-2		010	0		-		-				
>	8 5		7P18-S		100			-			+			1
Date	2151 Time:	ū	TP18-2	>	210	7	3	+		1	+	>		
062521	1200		1/2/	Received by:		F	Remarks: Please email:	Please	email:	Chase	Settle	Settle@eogresources.com;	urces.com;	
Date:	Time:	Relinquished by:	and the second	Received by:	Via:	26/27 57.30 Date Time	י סווי דמו אס	Dir	gna.com; zar Becky Has Direct Bill to	id.com; Zach.Comino@ghd Becky Haskell listed above. rect Bill to EOG Chase Sett	omino( isted a Chase	ch. Comino@ghd.com: kell listed above. EOG Chase Settle	Becky Haskell listed above.  Direct Bill to EOG Chase Settle	Page
_	f necessary.	, samples subr	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	ntracted to other accn	edited laboratories. Thi	is serves as notice of this p	ossibility. Any sub-	-contracte	d data will	be clearly	notaated o	in the analytical	report.	95 of 9
														)6

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 64102

#### **CONDITIONS**

Operator:	OGRID:
EOG RESOURCES INC	7377
P.O. Box 2267	Action Number:
Midland, TX 79702	64102
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By	Condition	Condition Date
jnobui	The Remediation Plan is Conditionally Approved. Closure confirmation samples should be conducted every 200 ft2. All contaminated soil must be reclaimed and removed down to 4 feet below surface or until it meets strictest closure criteria. In the pasture area, 4 feet below the ground surface, soil contamination limits revert back to Table 1 standards for proven depth to water determination. Please make sure all sidewall samples are delineated to 600 mg/kg for chlorides to define the edge of the release. All floor samples at 4 feet need to be equal to or less than 20,000 mg/kg for chlorides.	1/18/2022