

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

Responsible Party EOG Resources, Inc.	OGRID 7377
Contact Name Chase Settle	Contact Telephone 575-748-1471
Contact email Chase_Settle@eogresources.com	Incident # (assigned by OCD) nAPP2115336154
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

Location of Release Source

Latitude 32.83176 Longitude -104.45575
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Jackson AT Battery	Site Type Battery
Date Release Discovered 05/27/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
J	14	17S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Sharbro Energy and Yates Industries)

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) Unknown	Volume Recovered (bbls) 0
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release Historical impacts discovered during the P&A of the battery. Release volume and date are unknown.

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<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why: 	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation 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 within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u>	Title: <u>Rep Safety & Environmental Sr</u>
Signature: <u></u>	Date: <u>6/2/2021</u>
email: <u>Chase_Settle@eogresources.com</u>	Telephone: <u>575-748-1471</u>
<u>OCD Only</u>	
Received by: _____	Date: _____

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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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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.

State of New Mexico
Oil Conservation Division

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 11/29/2021
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

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Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr
Signature: Chase Settle Date: 11/29/2021
email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: Jennifer Nobui Date: 01/18/2022

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: Jennifer Nobui Date: 01/18/2022

Incident ID	nAPP2115336154
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Application ID	

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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

Printed Name: Chase Settle

Title: Rep Safety & Environmental Sr

Signature: Chase Settle

Date: 04/26/2022

email: Chase_Settle@eogresources.com

Telephone: 575-748-1471

OCD Only

Received by: _____

Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Jennifer Nobui

Date: 05/19/2022

Printed Name: Jennifer Nobui

Title: Environmental Specialist A

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

GHD Reference #: 11229324

April 26, 2022

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

**Re: Site Closure Report
Jackson AT Battery Release Site
EOG Resources Inc.
Incident ID: nAPP2115336154
J-14-17S-25E, Eddy County, New Mexico**

1. Introduction

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

2. Background Information

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

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

3. Groundwater and Site Characterization

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

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area of low karst potential. One water well was located within a 0.5-mile radius of the Site; the water well located approximately 0.30 miles from the site, has a recorded GW depth of 187 feet. No other receptors (playas, wetlands, waterways, lakebeds or ordinance boundaries) were located within each specific boundaries or distance from the Site. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i) the Site is located within an area with depth to groundwater greater than one hundred (100) feet and meets the closure criteria for depth to groundwater greater than one hundred (100) feet in Table 1 in NMAC 19.15.29.12. The Site characterization documentation (Well Log, Karst Potential, FEMA, Points of Diversion, Significant Water Course, and Wetlands maps) are provided in Attachment A, Site Characterization 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. Soil samples were collected from varying depths of the test pits and field screened for chloride and hydrocarbon concentrations. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

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

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

5. Excavation, Waste Management and Confirmation Sampling

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

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

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

6. nAPP2115336154 Closure Request

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

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

Sincerely,

GHD



Becky Haskell
Senior Project Manager



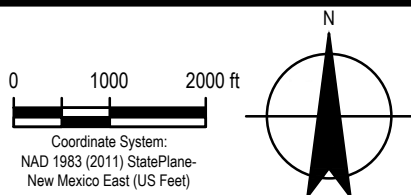
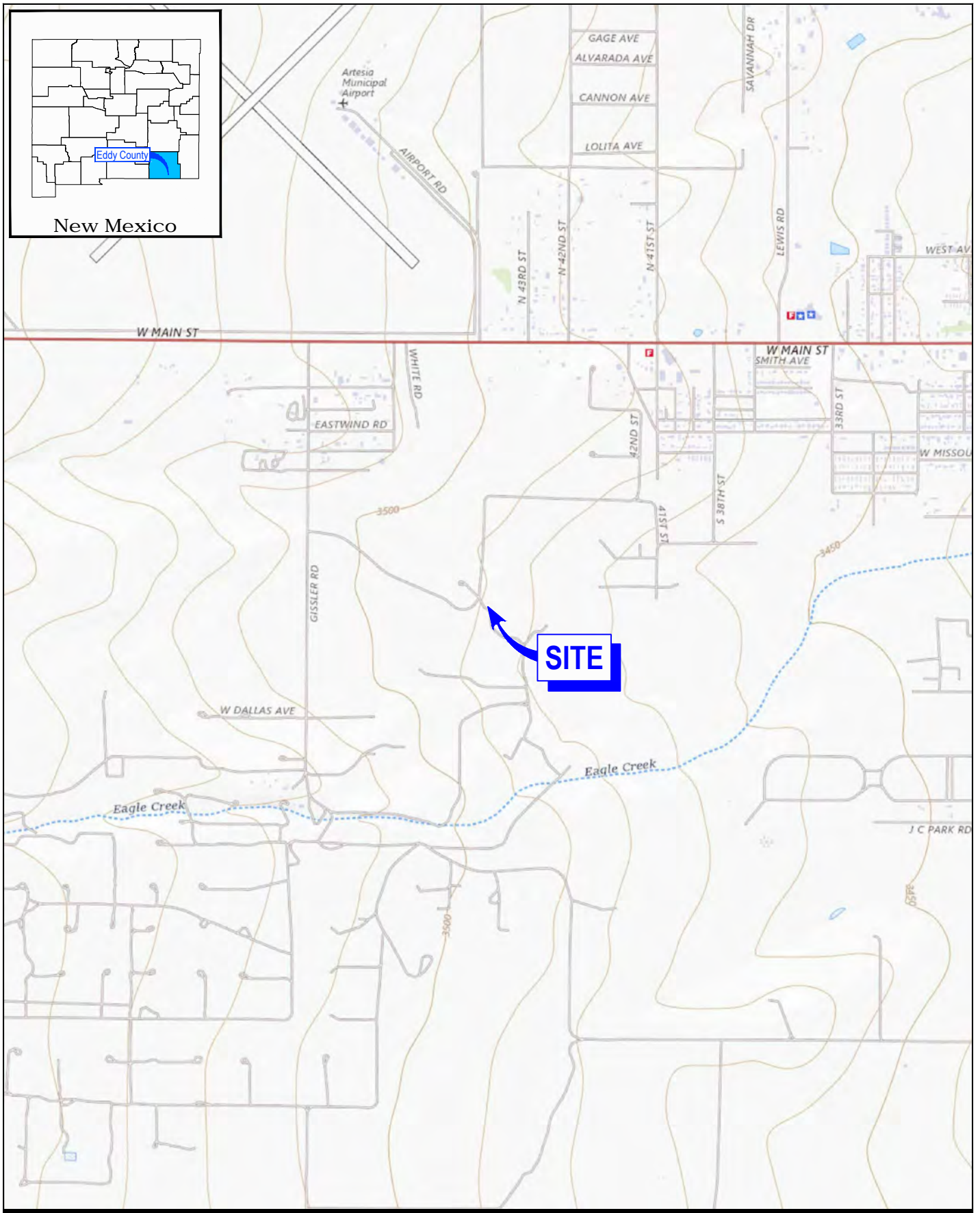
Tom Larson.
Project Director

NR/bh/1

Encl. Figure 1 – Site Location Map
 Figure 2 – Initial Site Assessment: Analytical Results Map
 Figure 3 – Confirmation Sampling: Soil Analytical Results Map
 Table 1 – Summary of Soil Analytical Data
 Table 2 – Daily Disposal Summary
 Attachment A – Site Characterization Documentation
 Attachment B – Photographic Log
 Attachment C – Confirmation Sampling Notifications
 Attachment D – Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: Chase Settle

Figures



EOG RESOURCES
EDDY COUNTY, NEW MEXICO
JACKSON AT BATTERY

Project No. 11229324
Date November 2021

SITE LOCATION MAP

FIGURE 1

Filename: \\ghdnet\ghd\USMidland\Projects\562\11229324\Digital_Design\ACAD\Figures\RPT001\11229324-GHD-0000-RPT-EN-0101_DL-001.dwg

Data Source: USGS 7.5 Minute Quad "Artesia, New Mexico"
Lat/Long: 32.831603° North, 104.455555° West



Sample ID	Sample Date	Depth (feet bgs)	Benzene	BTEX	TPH	Chloride	
			(mg/Kg)	(mg/Kg)	Total		(mg/Kg)
					GRO/DRO/MRO		
					Table I Closure Criteria for Soils <100 feet Depth to		
10 mg/Kg	50 mg/Kg	2,500 mg/Kg	20,000 mg/Kg				
Initial Assessment Samples							
TP1-4	6/23/21	4	<0.24 DD	<0.97	16,800	2,100	
TP1-10	6/23/21	10	<0.024	<0.096	<45	1,300	
TP1-18	6/23/21	18	<0.023	<0.091	<49	1,500	
TP1-20	6/23/21	20	<0.024	<0.095	<49	1,700	
TP2-2	6/23/21	2	<0.025	<0.099	<49	690	
TP2-10	6/23/21	10	<0.023	<0.092	<49	3,600	
TP2-18	6/23/21	18	<0.023	<0.091	<49	3,100	
TP2-20	6/23/21	20	<0.024	<0.095	<48	1,000	
TP3-S	6/23/21	0	<0.023	<0.091	118	<60	
TP3-2	6/23/21	2	<0.023	<0.094	<47	140	
TP4-2	6/24/2021	2	<0.025	<0.099	12	1,400	
TP4-6	6/24/2021	6	<0.024	<0.097	<47	300	
TP5-S	6/24/21	0	<0.024	<0.098	<48	<61	
TP5-2	6/24/21	2	<0.024	<0.098	<49	<60	
TP6-S	6/24/21	0	<0.023	<0.093	<48	<60	
TP6-2	6/24/21	2	<0.023	<0.092	<47	570	
TP7-S	6/24/21	0	<0.025	<0.098	<48	<60	
TP7-2	6/24/21	2	<0.024	<0.098	<48	160	
TP8-2	6/24/21	2	<0.024	<0.095	<48	1,200	
TP8-6	6/24/21	6	<0.023	<0.093	<48	1,200	
TP8-10	6/24/21	10	<0.024	<0.095	<40	300	
TP9-2	6/24/21	2	<0.025	<0.10	<48	1,200	
TP9-10	6/24/21	10	<0.025	<0.098	<47	1,400	
TP9-17	6/24/21	17	<0.025	<0.099	<47	2,400	
TP9-20	6/24/21	20	<0.025	<0.099	<48	1,500	
TP10-S	6/24/21	0	<0.024	<0.096	<48	<60	
TP10-2	6/24/21	2	<0.025	<0.099	<46	160	
TP11-S	6/24/21	0	<0.024	<0.098	<48	<60	
TP11-2	6/24/21	2	<0.024	<0.097	<48	130	
TP12-S	6/24/21	0	<0.024	<0.095	<47	<60	
TP12-2	6/24/21	2	<0.025	<0.099	<48	330	
TP13-S	6/24/21	0	<0.025	<0.099	<43	<60	
TP13-2	6/24/21	2	<0.024	<0.097	<50	310	
TP14-2	6/25/21	2	<0.023	<0.092	<48	6,000	
TP14-6	6/25/21	6	<0.025	<0.099	<50	3,300	
TP14-10	6/25/21	10	<0.024	<0.097	<47	1,100	
TP14-12	6/25/21	12	<0.024	<0.096	<46	310	
TP15-S	6/25/21	Surface	<0.025	<0.099	<46	<60	
TP15-2	6/25/21	2	<0.024	<0.094	<48	<60	
TP16-S	6/25/21	Surface	<0.024	<0.095	<48	<60	
TP16-2	6/25/21	2	<0.025	<0.099	<49	400	
TP17-S	6/25/21	Surface	<0.025	<0.10	<47	<60	
TP17-2	6/25/21	2	<0.025	<0.099	<50	<60	
TP18-S	6/25/21	Surface	<0.024	<0.097	<48	<60	
TP18-2	6/25/21	2	<0.024	<0.096	10	140	

PROPOSED EXCAVATION AREA w/DEPTH

TEST PIT LOCATION

DEPTH DEPTH OF SAMPLE (FT)

BTEX BENZENE, TOLUENE, ETHYLBENZENE & XYLENES CONCENTRATION (MG/KG)

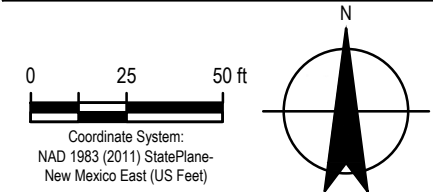
TPH TOTAL PETROLEUM HYDROCARBONS CONCENTRATION (MG/KG)

NOTES:

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

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

3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.

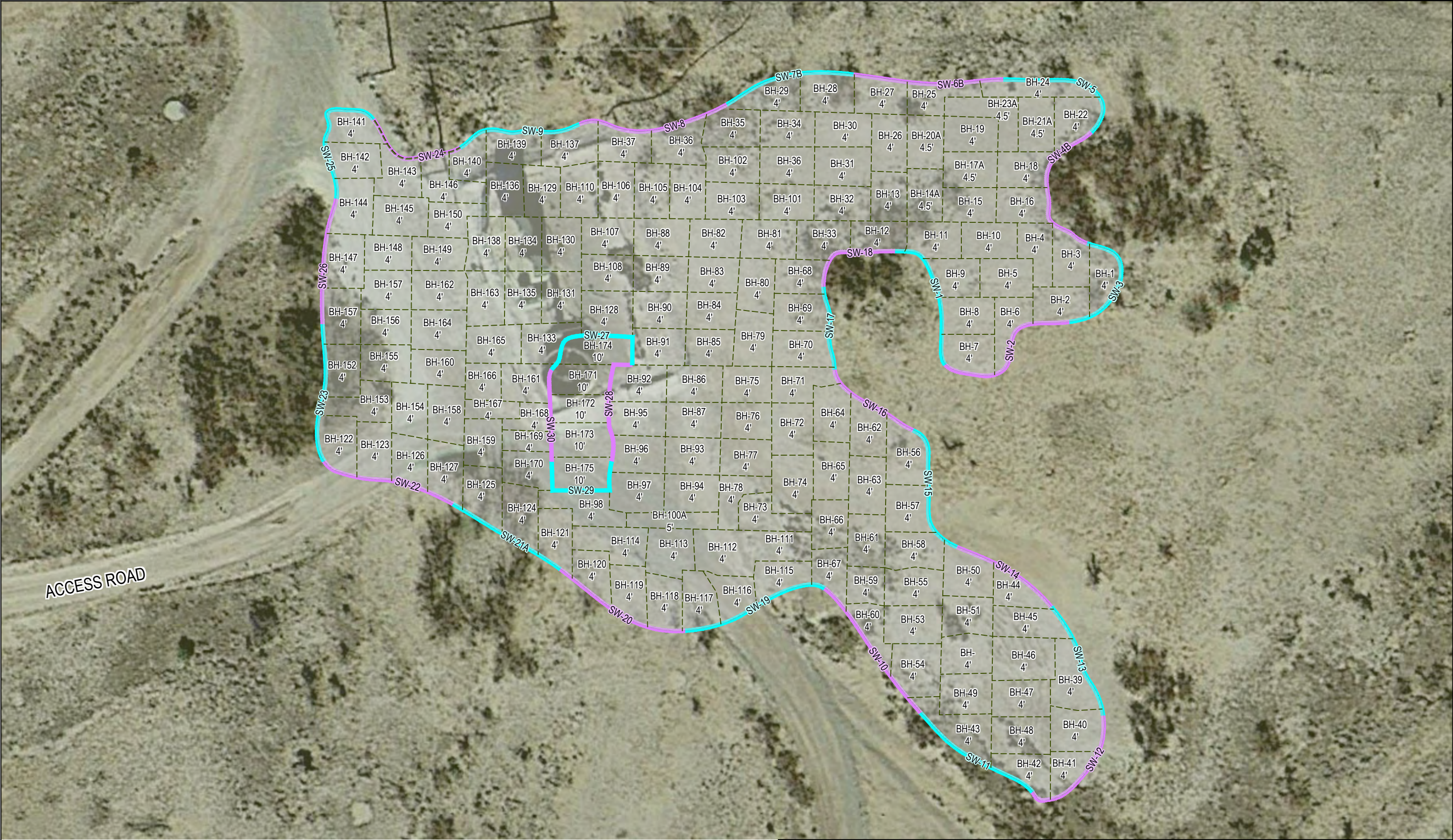


EOG RESOURCES
EDDY COUNTY, NEW MEXICO
JACKSON AT BATTERY

SITE ASSESSMENT AND
PROPOSED EXCAVATION AREA

Project No. 11229324
Date November 2021

FIGURE 2



LEGEND

- EXCAVATED AREA
- INDICATES PROPOSED SIDE WALL COMPOSITE SAMPLE
- INDICATES PROPOSED SIDE WALL COMPOSITE SAMPLE

0 15 30 ft

Coordinate System:
NAD 1983 (2011) StatePlane-
New Mexico East (US Feet)

EOG RESOURCES
EDDY COUNTY, NEW MEXICO
JACKSON AT BATTERY

CONFIRMATION SAMPLING

Project No. 11229324
Date April 2022

FIGURE 3

Tables

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
Initial Assessment Samples												
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

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Jackson AT Battery
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Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
TP11-S	6/24/21	0	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<48	<60
TP11-2	6/24/21	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.5	<48	<48	130
TP12-S	6/24/21	0	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<47	<47	<60
TP12-2	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
Confirmation Bottomhole Samples												
BH-1	2/8/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	3,800
BH-2	2/8/22	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<10	<50	<50	2,500
BH-3	2/8/22	4	<0.12	<0.23	<0.23	<0.47	<0.47	<23	170	360	530	4,100
BH-4	2/8/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	23	<50	23	4,400
BH-5	2/8/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	510
BH-6	2/8/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	1,300
BH-7	2/8/22	4	<0.12	<0.23	<0.23	<0.47	<0.47	<23	<9.7	<49	<49	950
BH-8	2/8/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	99	180	279	2,200
BH-9	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	590	1,300	1,890	2,200
BH-10	2/8/22	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	2,400
BH-11	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	350	620	970	4,000
BH-12	2/8/22	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	50	110	160	2,600

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			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
BH-13	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	310	600	910	610
BH-14	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	1,600	2,200	3,800	2,200
BH-14A	2/17/22	4.5	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	28	130	158	1,600
BH-15	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	770	1,100	1,870	1,800
BH-16	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	640	1,700	2,340	1,600
BH-17	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	1,400	2,100	3,500	560
BH-17A	2/17/22	4.5	<0.025	<0.50	<0.050	<0.10	<0.10	<5.0	340	330	670	5,400
BH-18	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	340	1,200	1,540	540
BH-19	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	160	240	400	2,300
BH-20	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	1,300	1,100	2,400	2,600
BH-20A	2/17/22	4.5	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	310	840	1,150	280
BH-21	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<4.8	4,300	4,600	8,900	3,300
BH-21A	2/17/22	4.5	<0.12	<0.24	<0.24	<0.48	<0.48	<24	260	190	450	2,500
BH-22	2/8/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	3,800
BH-23	2/8/22	4	<0.12	<0.23	<0.23	<0.47	<0.47	<23	1,800	1,800	3,600	2,300
BH-23A	2/17/22	4.5	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	270	510	780	2,500
BH-24	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	830	1,200	2,030	740
BH-25	2/8/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	270	850	1,120	810
BH-26	2/8/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	49	89	138	920
BH-27	2/8/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.2	<46	<46	1,300
BH-28	2/8/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	180
BH-29	2/8/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	41	76	117	1,000
BH-30	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	170	290	460	980
BH-31	2/8/22	4	<0.12	<0.24	<0.24	<0.47	<0.47	<24	140	190	330	1,200
BH-32	2/8/22	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	180	310	490	1,000
BH-33	2/8/22	4	<0.12	<0.24	<0.24	<0.47	<0.47	<24	210	760	970	680
BH-34	2/8/22	4	<0.12	<0.25	<0.25	<0.50	<0.50	<25	200	680	880	720
BH-35	2/8/22	4	<0.12	<0.23	<0.23	<0.47	<0.47	<23	140	420	560	660
BH-36	2/8/22	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	130	360	490	700
BH-37	2/8/22	4	<0.12	<0.23	<0.23	<0.46	<0.46	<23	160	330	490	700
BH-38	2/8/22	4	<0.12	<0.24	<0.24	<0.47	<0.47	<24	140	280	420	750
BH-39	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	7,200
BH-40	2/14/22	4	<0.025	<0.50	<0.050	<0.099	<0.099	<5.0	<9.7	<49	<49	5,800

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			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
BH-41	2/14/22	4	<0.025	<0.50	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<49	5,800
BH-42	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<46	<46	8,300
BH-43	2/14/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	3,400
BH-44	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	6,000
BH-45	2/14/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	5,800
BH-46	2/14/22	4	<0.025	<0.50	<0.050	<0.099	<0.099	<5.0	<9.5	<48	<48	6,000
BH-47	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.0	<45	<45	6,200
BH-48	2/14/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.0	<45	<45	1,100
BH-49	2/14/22	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	2,800
BH-50	2/14/22	4	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<8.9	<45	<45	2,300
BH-51	2/14/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.4	<47	<47	5,000
BH-52	2/14/22	4	<0.025	<0.50	<0.050	<0.099	<0.099	<5.0	<9.5	<47	<47	3,900
BH-53	2/14/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.0	<45	<45	4,900
BH-54	2/14/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.3	<46	<46	6,100
BH-55	2/14/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	2,800
BH-56	2/14/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	1,800
BH-57	2/14/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.9	<50	<50	2,400
BH-58	2/14/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<47	<47	3,500
BH-59	2/14/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<48	<48	4,100
BH-60	2/14/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.4	<47	<47	3,900
BH-61	2/14/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<8.9	<44	<44	4,100
BH-62	2/14/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<47	<47	3,000
BH-63	2/14/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	380
BH-64	2/14/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<49	<49	3,400
BH-65	2/14/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.1	<45	<45	3,300
BH-66	2/14/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	4,900
BH-67	2/14/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<8.9	<45	<45	5,100
BH-68	2/14/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	160
BH-69	2/15/22	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<8.9	<45	<45	2,200
BH-70	2/15/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	2,200
BH-71	2/15/22	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.6	<48	<48	2,000
BH-72	2/15/22	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	2,600
BH-73	2/15/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	690

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			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
BH-74	2/15/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<48	<48	2,100
BH-75	2/15/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	1,800
BH-76	2/15/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<10	<50	<50	440
BH-77	2/15/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<10	<50	<50	1,500
BH-78	2/15/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<46	<46	940
BH-79	2/15/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<50	570
BH-80	2/15/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<49	1,300
BH-81	2/16/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<5.0	<9.3	<47	<47	1,000
BH-82	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	1,500
BH-83	2/16/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	1,500
BH-84	2/16/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	57	88	145	1,600
BH-85	2/16/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	93	<240	93	2,300
BH-86	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	2,500
BH-87	2/16/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.3	<47	<47	3,200
BH-88	2/16/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	1,600
BH-89	2/16/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	1,400
BH-90	2/16/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	1,300
BH-91	2/16/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	10	<47	10	4,500
BH-92	2/16/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	20	<49	20	1,200
BH-93	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	1,600
BH-94	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.2	<46	<46	1,600
BH-95	2/16/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.2	<46	<46	1,100
BH-96	2/16/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	4,200
BH-97	2/16/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	23	49	72	7,600
BH-98	2/16/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<8.7	<44	<44	4,100
BH-99	2/16/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<48	<48	2,300
BH-100	2/16/22	4	<0.12	<0.25	<0.25	<0.50	<0.50	<25	4,300	4,000	8,300	3,300
BH-100A	2/28/22	5	<0.12	<0.024	<0.024	<0.048	<0.048	<4.8	170	130	300	680
BH-101	2/17/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.6	<48	<48	1,300
BH-102	2/17/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	890
BH-103	2/17/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.5	<48	<48	1,400
BH-104	2/17/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	24	94	118	1,500
BH-105	2/17/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<8.8	<44	<44	1,400

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
BH-106	2/17/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	53	150	203	1,300
BH-107	2/17/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	27	89	116	730
BH-108	2/17/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	280	880	1,160	730
BH-109	2/17/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	330	870	1,200	1,200
BH-110	2/17/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	42	97	139	2,000
BH-111	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.1	<46	<46	1,900
BH-112	2/18/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	2,200
BH-113	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	2,300
BH-114	2/18/22	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<48	<48	2,200
BH-115	2/18/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	150	460	610	1,100
BH-116	2/18/22	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	400	810	1,210	<60
BH-117	2/18/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	650	1,500	2,150	1,200
BH-118	2/18/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	630
BH-119	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	410	1,100	1,510	510
BH-120	2/18/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	210	140	350	3,200
BH-121	2/18/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	460	970	1,430	670
BH-122	2/18/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.5	<48	<48	940
BH-123	2/18/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.8	<49	<49	750
BH-124	2/18/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	810	510	1,320	2,000
BH-125	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	26	89	115	770
BH-126	2/18/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	14	<48	14	250
BH-127	2/18/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	14	52	66	470
BH-128	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	160	280	440	1,400
BH-129	2/22/22	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	130	730	860	2,400
BH-130	2/22/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	150	440	590	1,900
BH-131	2/22/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	130	470	600	500
BH-132	2/22/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.1	<45	<45	660
BH-133	2/22/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<49	<49	1,500
BH-134	2/22/22	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.5	<47	<47	2,000
BH-135	2/22/22	4	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.4	<47	<47	2,800
BH-136	2/22/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.2	<46	<46	2,100
BH-137	2/22/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.2	<46	<46	860
BH-138	2/22/22	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	30	150	180	1,200

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

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
BH-139	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	120	540	660	1,600
BH-140	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.1	<45	<45	1,000
BH-141	2/22/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.0	<45	<45	950
BH-142	2/22/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<49	<49	1,100
BH-143	2/22/22	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.3	<47	<47	1,000
BH-144	2/22/22	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.2	<46	<46	1,100
BH-145	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.2	<46	<46	1,600
BH-146	2/22/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.0	<45	<45	940
BH-147	2/22/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	78	120	198	910
BH-148	2/22/22	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	43	71	114	980
BH-149	2/22/22	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.2	<46	<46	1,300
BH-150	2/22/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.2	<46	<46	550
BH-151	2/23/22	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	1,100
BH-152	2/23/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.1	<45	<45	1,000
BH-153	2/23/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.1	<46	<46	1,100
BH-154	2/24/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<25	51	93	144	1,300
BH-155	2/24/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	180	260	440	1,700
BH-156	2/24/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	32	110	142	1,100
BH-157	2/24/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	150	170	320	3,100
BH-158	2/24/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	250	380	630	2,400
BH-159	2/24/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	390	620	1010	1,600
BH-160	2/24/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	140	300	440	1,500
BH-161	2/24/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	80	110	190	720
BH-162	2/24/22	4	<0.12	<0.25	<0.25	<0.49	<0.49	<25	230	360	590	2,400
BH-163	2/24/22	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	190	210	400	1,600
BH-164	2/24/22	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	240	220	460	2,100
BH-165	2/24/22	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	280	570	850	810
BH-166	2/24/22	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<50	510
BH-167	2/24/22	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	38	55	93	2,800
BH-168	2/24/22	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	51	59	110	1,900
BH-169	2/24/22	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	270	480	750	2,900
BH-170	2/24/22	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	130	130	260	2,200
BH-171	2/25/22	10	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.2	<46	<46	470

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Jackson AT Battery
EOG Resources
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO(C6-C10)	DRO(C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
BH-172	2/25/22	10	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	41	<46	41	920
BH-173	2/25/22	10	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	15	58	73	800
BH-174	2/25/22	10	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<8.6	<43	<43	650
BH-175	2/25/22	10	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	140	300	440	1,000
Confirmation Sidewall Samples												
SW-1	2/8/22	Sidewall	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<50	<50	<60
SW-2	2/8/22	Sidewall	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<48	<48	60
SW-3	2/8/22	Sidewall	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.6	<48	<48	<60
SW-4	2/8/22	Sidewall	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	66	170	236	140
SW-4A	2/17/22	Sidewall	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	56	270	326	<60
SW-4B	3/10/22	Sidewall	<0.023	<0.045	<0.045	<0.091	<0.091	<4.5	13	59	72	120
SW-5	2/8/22	Sidewall	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<49	<49	65
SW-6	2/8/22	Sidewall	<0.12	<0.24	<0.24	<0.48	<0.48	<24	62	240	302	<60
SW-6A	2/17/22	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	64	310	374	<60
SW-6B	3/10/22	Sidewall	<0.019	<0.039	<0.039	<0.077	<0.077	<3.9	<9.7	<48	<48	110
SW-7	2/8/22	Sidewall	<0.12	<0.24	<0.24	<0.48	<0.48	<24	96	290	388	77
SW-7A	2/17/22	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	48	150	198	<60
SW-7B	3/10/22	Sidewall	<0.018	<0.037	<0.037	<0.073	<0.073	<3.7	<8.8	45	45	110
SW-8	2/8/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	14	46	60	<60
SW-9	2/8/22	Sidewall	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	<8.1	<41	<41	65
SW-10	2/14/22	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.2	<46	<46	160
SW-11	2/14/22	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<50	<50	230
SW-12	2/14/22	Sidewall	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<47	<47	<61
SW-13	2/14/22	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.6	<48	<48	300
SW-14	2/14/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	390
SW-15	2/14/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	220
SW-16	2/14/22	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.4	<47	<47	360
SW-17	2/15/22	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	20	78	78	130
SW-18	2/15/22	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	290
SW-19	2/18/22	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.2	<46	<46	<60
SW-20	2/18/22	Sidewall	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	<60
SW-21	2/18/22	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	110	170	280	<60
SW-21A	3/10/22	Sidewall	<0.021	<0.042	<0.042	<0.083	<0.083	<4.2	<10	<50	<50	<60

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

Notes:

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

6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table 1 Closure Criteria for the site.

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table 1 Closure Criteria for the site (Surface to 4 Feet Below Grade).

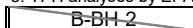
 Sample Point Excavated

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

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

Attachment A

Site Characterization Documentation






Attachment A

Site Characterization Documentation

EOG Jackson AT Battery

Karst Potential Map

Legend

-  doc.kml
-  Feature 1
-  High
-  Low
-  Medium


EOG Jackson AT Battery



900 ft



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

GIS WATERS PODs  OSE District Boundary

● Active  SiteBoundaries

- Pending

Released to Imaging: 5/19/2022 4:07:52 PM

1:18,056

0	0.13	0.25	0.5 mi
---	------	------	--------

0 0.2 0.4 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

Q64 Q16 Q4

Sec

Tws

Rng

X

Y

RA 11744 POD1

2 1 4 14 17S 25E

551297 3633100

x

Driller License: 1064

Driller Company: DELFORD W. MARTIN

Driller Name:

Drill Start Date: 12/01/2011

Drill Finish Date: 12/10/2011

Plug Date:

Log File Date: 12/14/2011

PCW Rcv Date:

Source: Shallow

Pump Type:

Pipe Discharge Size:

Estimated Yield: 15 GPM

Casing Size: 5.00

Depth Well: 300 feet

Depth Water: 187 feet

x

Water Bearing Stratifications:

Top Bottom Description

187 300 Sandstone/Gravel/Conglomerate

x

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

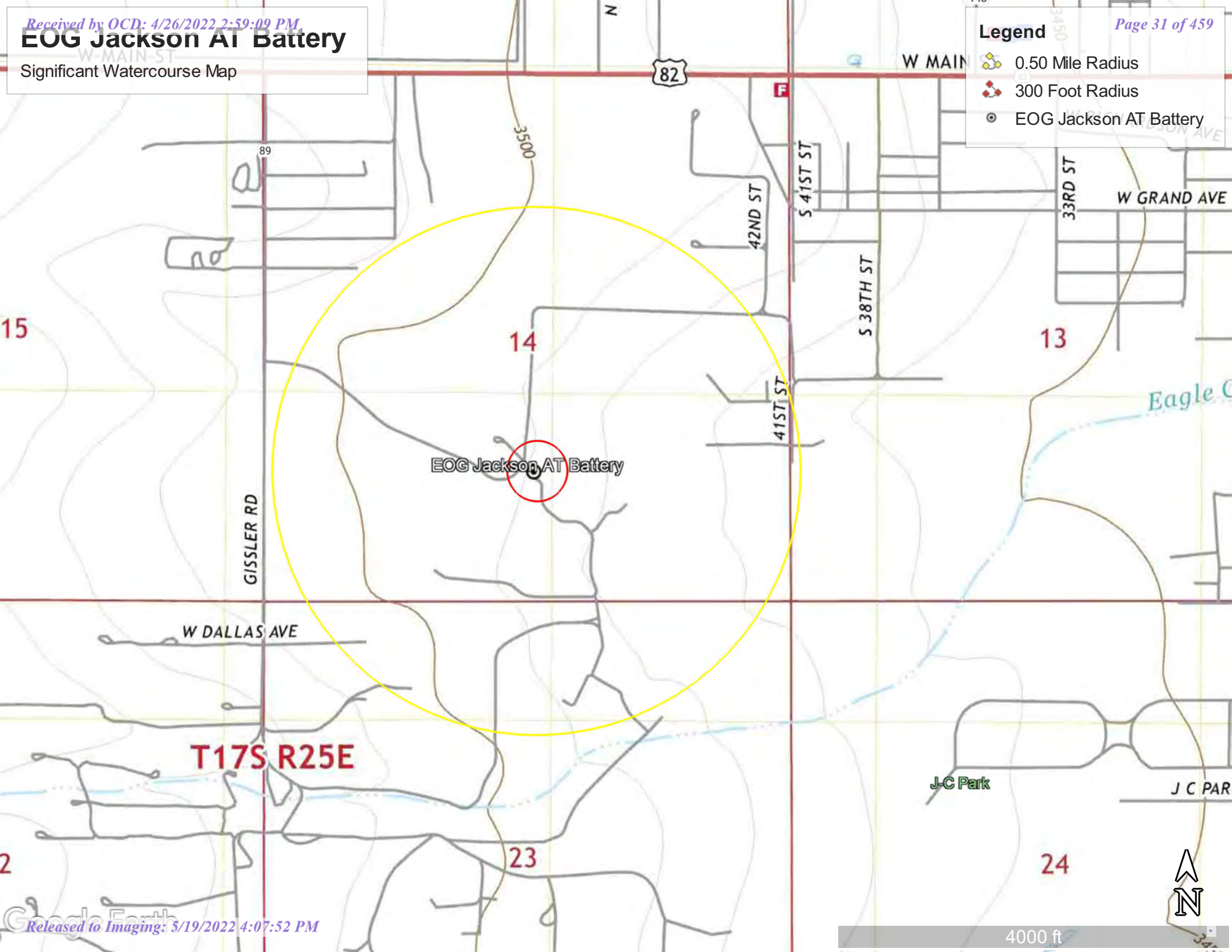
POINT OF DIVERSION SUMMARY

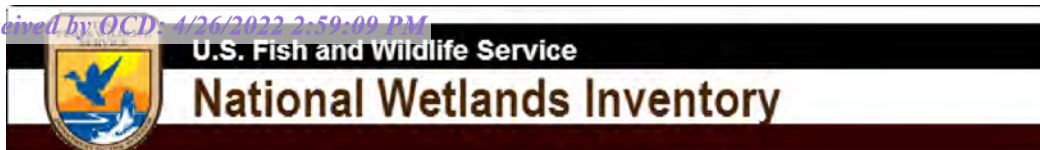
EOG Jackson AT Battery

Significant Watercourse Map

Legend

- 0.50 Mile Radius
- 300 Foot Radius
- EOG Jackson AT Battery





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

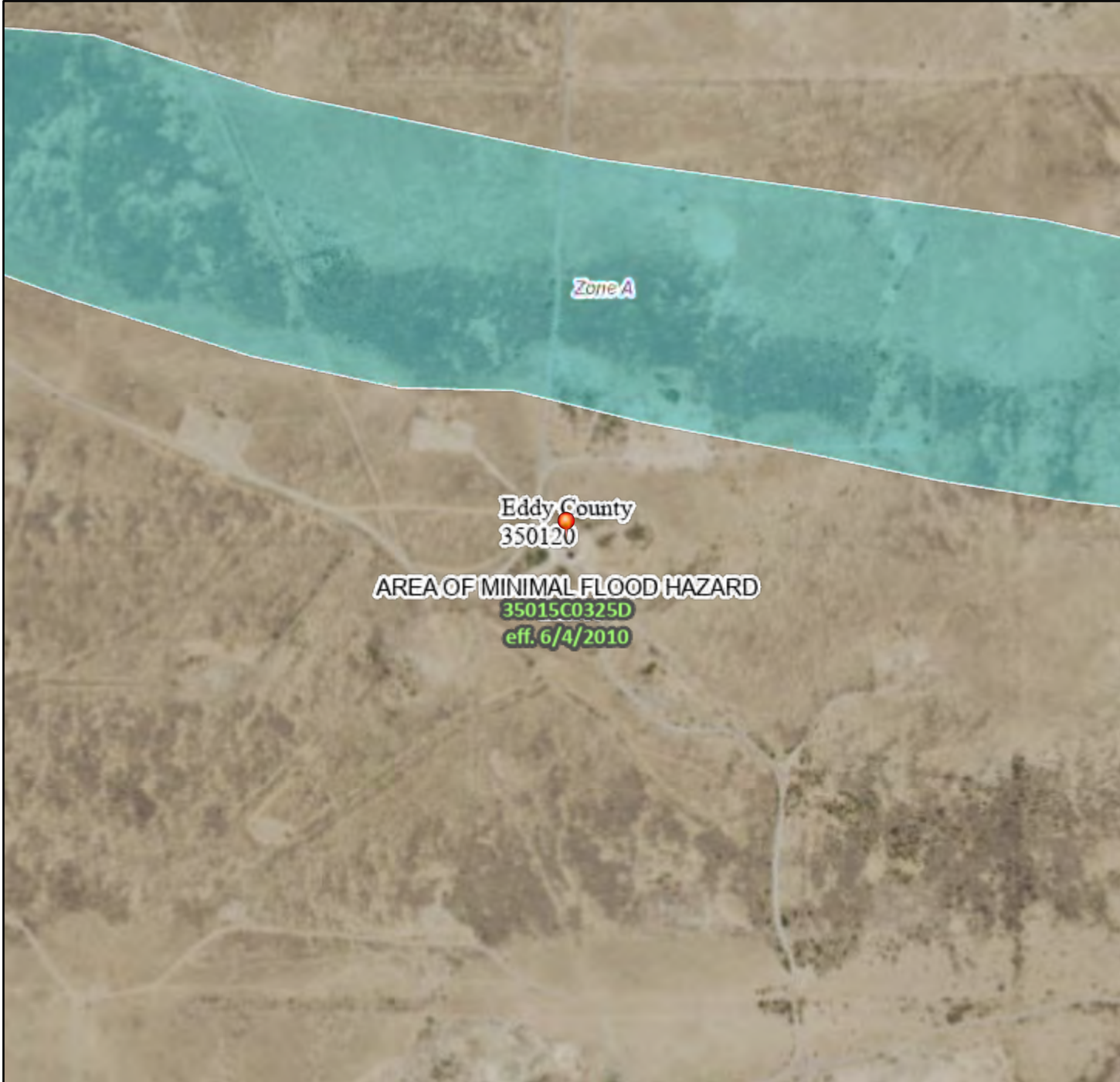
- Lake
- Other
- Riverine

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.

National Flood Hazard Layer FIRMette



104°27'39"W 32°50'9"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		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
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		Cross Sections with 1% Annual Chance Water Surface Elevation
MAP PANELS		Coastal Transect
		Base Flood Elevation Line (BFE)
OTHER FEATURES		Limit of Study
		Jurisdiction Boundary
OTHER FEATURES		Coastal Transect Baseline
		Profile Baseline
OTHER FEATURES		Hydrographic Feature
		Digital Data Available
MAP PANELS		No Digital Data Available
		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 Photographic Log



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



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



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



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

Attachment C

Confirmation Sampling Notification

Becky Haskell

From: Chase Settle <Chase_Settle@eogresources.com>
Sent: Thursday, February 3, 2022 5:51 PM
To: Zach Comino; Becky Haskell
Subject: FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, February 3, 2022 4:37 PM
To: Robert.Hamlet@state.nm.us; blm_nm_cfo_spill@blm.gov
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bob Asher <Bob_Asher@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>
Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good afternoon,

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

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

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

Thank you,

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



Becky Haskell

From: Chase Settle <Chase_Settle@eogresources.com>
Sent: Wednesday, February 9, 2022 10:25 AM
To: Zach Comino; Becky Haskell
Subject: FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Wednesday, February 9, 2022 9:22 AM
To: Robert.Hamlet@state.nm.us
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bob Asher <Bob_Asher@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>
Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good morning,

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

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

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

Thank you,

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



Becky Haskell

From: Chase Settle <Chase_Settle@eogresources.com>
Sent: Thursday, February 17, 2022 11:17 AM
To: Zach Comino; Becky Haskell
Subject: FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, February 17, 2022 9:48 AM
To: Robert.Hamlet@state.nm.us
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bob Asher <Bob_Asher@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>
Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good morning,

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

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

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

Thank you,

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



Becky Haskell

From: Chase Settle <Chase_Settle@eogresources.com>
Sent: Thursday, February 24, 2022 11:32 AM
To: Becky Haskell; Zach Comino; Heath Boyd
Subject: FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

From: Tina Huerta <Tina_Huerta@eogresources.com>
Sent: Thursday, February 24, 2022 10:29 AM
To: Robert.Hamlet@state.nm.us
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bob Asher <Bob_Asher@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>
Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good morning,

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

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

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

Thank you,

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



Becky Haskell

From: Chase Settle <Chase_Settle@eogresources.com>
Sent: Thursday, March 3, 2022 3:19 PM
To: Becky Haskell; Zach Comino; Tom Larson
Subject: FW: Jackson AT Battery (nAPP2115336154) Sampling Notification

From: Miriam Morales <Miriam_Morales@eogresources.com>
Sent: Thursday, March 3, 2022 2:18 PM
To: Robert.Hamlet@state.nm.us
Cc: Artesia Regulatory <Artesia_Regulatory@eogresources.com>; Bob Asher <Bob_Asher@eogresources.com>; Chase Settle <Chase_Settle@eogresources.com>; Yvette Moore <Yvette_Moore@eogresources.com>; Katie Jamison <Katie_Jamison@eogresources.com>
Subject: Jackson AT Battery (nAPP2115336154) Sampling Notification

Good afternoon,

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

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

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

Thank you,

Miriam Morales

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



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

July 08, 2021

Becky Haskell
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX

RE: Jackson AT Battery

OrderNo.: 2106D64

Dear Becky Haskell:

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

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 2106D64

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106D64

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							Analyst: VP
Chloride	2100	60		mg/Kg	20	7/2/2021 12:01:39 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: BRM
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							Analyst: mb
Gasoline Range Organics (GRO)	ND	48	DD	mg/Kg	10	7/2/2021 11:25:00 AM	60961
Surr: BFB	114	70-130	D	%Rec	10	7/2/2021 11:25:00 AM	60961
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.24	DD	mg/Kg	10	7/2/2021 11:25:00 AM	60961
Toluene	ND	0.48	DD	mg/Kg	10	7/2/2021 11:25:00 AM	60961
Ethylbenzene	ND	0.48	DD	mg/Kg	10	7/2/2021 11:25:00 AM	60961
Xylenes, Total	ND	0.97	DD	mg/Kg	10	7/2/2021 11:25:00 AM	60961
Surr: 4-Bromofluorobenzene	102	70-130	DD	%Rec	10	7/2/2021 11:25:00 AM	60961

Lab ID: 2106D64-002

Collection Date: 6/23/2021 11:15:00 AM

Client Sample ID: TP1-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1300	61		mg/Kg	20	7/6/2021 9:12:43 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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							Analyst: mb
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							Analyst: mb
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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106D64

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106D64

Lab ID: 2106D64-003

Collection Date: 6/23/2021 12:35:00 PM

Client Sample ID: TP1-18

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1500	60		mg/Kg	20	7/6/2021 9:25:07 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	7/3/2021 10:18:24 AM	61114
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	7/3/2021 10:18:24 AM	61114
Surr: DNOP	97.5	70-130		%Rec	1	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	0.023		mg/Kg	1	7/6/2021 10:37:00 AM	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	1	7/6/2021 10:37:00 AM	61112
Surr: 4-Bromofluorobenzene	92.8	70-130		%Rec	1	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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106D64

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106D64

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

Lab ID: 2106D64-005

Collection Date: 6/23/2021 1:20:00 PM

Client Sample ID: TP2-2

Matrix: SOIL

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

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

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- 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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Analytical Report

Lab Order: 2106D64

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106D64

Lab ID: 2106D64-006

Collection Date: 6/23/2021 1:30:00 PM

Client Sample ID: TP2-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	3600	150		mg/Kg	50	7/6/2021 11:29:13 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	7/6/2021 12:16:00 PM	61112
Surr: BFB	101	70-130		%Rec	1	7/6/2021 12:16:00 PM	61112
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106D64

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106D64

Lab ID: 2106D64-007

Collection Date: 6/23/2021 2:20:00 PM

Client Sample ID: TP2-18

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch 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 ORGANICS							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	Qual	Units	DF	Date Analyzed	Batch 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 ORGANICS							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 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

Analytical Report

Lab Order: 2106D64

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106D64

Lab ID: 2106D64-009

Collection Date: 6/23/2021 2:40:00 PM

Client Sample ID: TP3-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/6/2021 11:04:24 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	18	9.6		mg/Kg	1	7/3/2021 11:55:00 AM	61114
Motor Oil Range Organics (MRO)	100	48		mg/Kg	1	7/3/2021 11:55:00 AM	61114
Surr: DNOP	76.1	70-130		%Rec	1	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	1	7/6/2021 1:16:00 PM	61112
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106D64

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106D64**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	20	7/6/2021 11:16:49 AM	61120
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: CLP
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/3/2021 11:42:45 AM	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	1	7/3/2021 11:42:45 AM	61114
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/6/2021 1:36:00 PM	61112
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		mg/Kg	1	7/6/2021 1:36:00 PM	61112
Toluene	ND	0.047		mg/Kg	1	7/6/2021 1:36:00 PM	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	1	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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

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

WO#: 2106D64

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-61081	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61081	RunNo: 79497								
Prep Date: 7/1/2021	Analysis Date: 7/1/2021	SeqNo: 2796217 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61081	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61081	RunNo: 79497								
Prep Date: 7/1/2021	Analysis Date: 7/1/2021	SeqNo: 2796218 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Sample ID: LCS-61120	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61120	RunNo: 79587								
Prep Date: 7/6/2021	Analysis Date: 7/6/2021	SeqNo: 2799387 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.3	90	110			

Sample ID: MB-61120	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61120	RunNo: 79587								
Prep Date: 7/6/2021	Analysis Date: 7/6/2021	SeqNo: 2799388 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106D64

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-60965	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 60965	RunNo: 79472								
Prep Date: 6/28/2021	Analysis Date: 6/29/2021	SeqNo: 2793936 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	87.9	68.9	141			
Surr: DNOP	3.6		5.000		72.5	70	130			

Sample ID: MB-60965	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 60965	RunNo: 79472								
Prep Date: 6/28/2021	Analysis Date: 6/29/2021	SeqNo: 2793938 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.7		10.00		77.0	70	130			

Sample ID: MB-61114	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61114	RunNo: 79559								
Prep Date: 7/2/2021	Analysis Date: 7/3/2021	SeqNo: 2797735 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		127	70	130			

Sample ID: LCS-61114	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61114	RunNo: 79559								
Prep Date: 7/2/2021	Analysis Date: 7/3/2021	SeqNo: 2797736 Units: mg/Kg								
Analyte	Result	PQL	SPK 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: 2106D64-002AMS	SampType: MS	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: 2797738 Units: mg/Kg								
Analyte	Result	PQL	SPK 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 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106D64
08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2106D64-002AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TP1-10		Batch ID: 61114		RunNo: 79559						
Prep Date: 7/2/2021		Analysis Date: 7/3/2021		SeqNo: 2797739		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	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 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

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

WO#: 2106D64

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

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

Sample ID: lcs-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								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	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								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	970		1000		96.7	70	130			

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

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

Sample ID: mb-61115	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 61115	RunNo: 79580								
Prep Date: 7/2/2021	Analysis Date: 7/6/2021	SeqNo: 2799569 Units: %Rec								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1000		1000		100	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.
D Sample Diluted Due to Matrix
H Holding times for preparation or analysis exceeded
ND Not Detected at the Reporting Limit
PQL Practical 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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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106D64

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-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				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	25.00	0	84.9	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: lcs-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				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.7	23.45	0	101	61.3	114			
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		115	70	130	0	0	

Qualifiers:

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

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

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

WO#: 2106D64

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-60961	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60961	RunNo: 79532								
Prep Date: 6/28/2021	Analysis Date: 7/1/2021	SeqNo: 2796853	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.90		1.000		90.1	70	130			

Sample ID: lcs-60961	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60961	RunNo: 79532								
Prep Date: 6/28/2021	Analysis Date: 7/1/2021	SeqNo: 2796855	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	1.000	0	97.5	80	120			
Toluene	0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.1	0.10	3.000	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.2	70	130			

Sample ID: mb-60981	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60981	RunNo: 79563								
Prep Date: 6/28/2021	Analysis Date: 7/2/2021	SeqNo: 2798540	Units: %Rec							
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: lcs-60981	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60981	RunNo: 79563								
Prep Date: 6/28/2021	Analysis Date: 7/2/2021	SeqNo: 2798542	Units: %Rec							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	0.93		1.000		92.5	70	130			

Sample ID: mb-61112	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
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
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

QC SUMMARY REPORT**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				SeqNo: 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: lcs-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				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.4	80	120			
Toluene	0.95	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		95.9	70	130			

Sample ID: lcs-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
Benzene	0.84	0.023	0.9294	0	90.1	80	120			
Toluene	0.87	0.046	0.9294	0	93.2	80	120			
Ethylbenzene	0.90	0.046	0.9294	0	96.4	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 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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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106D64

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

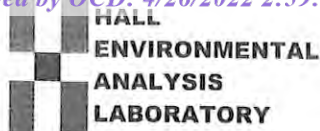
Sample ID: 2106D64-003amsd		SampType: MSD		TestCode: EPA Method 8021B: Volatiles						
Client ID: TP1-18		Batch ID: 61112		RunNo: 79580						
Prep Date: 7/2/2021		Analysis Date: 7/6/2021		SeqNo: 2799587			Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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 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: **2106D64**RcptNo: **1**Received By: **Juan Rojas**

6/25/2021 7:30:00 AM

*Juan Rojas*Completed By: **Cheyenne Cason**

6/25/2021 9:20:13 AM

Cheyenne Cason

Reviewed By:

JR 6/25/21

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☐ No ☒ NA ☐
5. Sample(s) in proper container(s)? Not Frozen Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *0.25.21 TC.*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	-1.1	Good				

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

Standard ☐ Rush ☐

Project Name:

Jackson AT Battery

Project #:

11229324

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including GFD): 49-50

HEAL No. 2106064

Container Type and #

Jar

Preservative Type

001

002

003

004

005

006

007

008

009

010

Date Time Matrix Sample Name

06/23/11:00 S TP1-4

11:15 TP1-10

12:25 TP1-18

12:45 TP1-20

13:20 TP2-2

13:30 TP2-10

14:20 TP2-18

14:30 TP2-20

14:40 TP3-5

14:50 TP3-2

Date: 06/23/11

Time: 0800

Date: 06/23/11

Time: 1400

Relinquished by: Zach Comino

Relinquished by: Becky Haskell

Relinquished by: Tom Larson

Relinquished by: Becky Haskell

Relinquished by: Tom Larson

Relinquished by: Becky Haskell

Relinquished by: Tom Larson

Relinquished by: Becky Haskell

Relinquished by: Tom Larson

Analysis Request

8081 Pesticides/8082 PCB's

EPA 8015D (GRO / DRO / MRO)

BTEX / MTBE / TMB's (8021)

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₂, NO₃, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

2 Coliforms

2 Coliforms

2 Coliforms

2 Coliforms

2 Coliforms

2 Coliforms

2 Coliforms

2 Coliforms

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Remarks: Please email: Chase_Settle@eogresources.com;

Tom.Larson@ghd.com; Zach.Comino@ghd.com; Along with

Becky Haskell listed above.

Direct Bill to EOG Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



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

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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-001

Collection Date: 6/24/2021 8:50:00 AM

Client Sample ID: TP4-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1400	61		mg/Kg	20	7/2/2021 1:40:55 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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							Analyst: mb
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							Analyst: mb
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	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	300	60		mg/Kg	20	7/2/2021 1:53:20 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
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							Analyst: mb
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							Analyst: mb
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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-003

Collection Date: 6/24/2021 9:15:00 AM

Client Sample ID: TP5-S

Matrix: SOIL

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

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

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

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-004

Collection Date: 6/24/2021 9:40:00 AM

Client Sample ID: TP5-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 2:18:10 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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							Analyst: mb
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							Analyst: mb
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	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 2:30:34 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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							Analyst: mb
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							Analyst: mb
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 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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Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-006

Collection Date: 6/24/2021 9:55:00 AM

Client Sample ID: TP6-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	570	59		mg/Kg	20	7/2/2021 3:07:47 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	7/1/2021 7:38:00 AM	61003
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	7/1/2021 7:38:00 AM	61003
Surr: DNOP	114	70-130		%Rec	1	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	1	7/3/2021 8:00:00 AM	60981
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

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							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 3:20:11 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/1/2021 8:01:40 AM	61003
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 8:01:40 AM	61003
Surr: DNOP	104	70-130		%Rec	1	7/1/2021 8:01:40 AM	61003
EPA METHOD 8015D: GASOLINE RANGE							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/3/2021 8:20:00 AM	60981
Surr: BFB	101	70-130		%Rec	1	7/3/2021 8:20:00 AM	60981
EPA METHOD 8021B: VOLATILES							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	7/3/2021 8:20:00 AM	60981
Toluene	ND	0.049		mg/Kg	1	7/3/2021 8:20:00 AM	60981
Ethylbenzene	ND	0.049		mg/Kg	1	7/3/2021 8:20:00 AM	60981
Xylenes, Total	ND	0.098		mg/Kg	1	7/3/2021 8:20:00 AM	60981
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	7/3/2021 8:20:00 AM	60981

Lab ID: 2106E36-008

Collection Date: 6/24/2021 10:10:00 AM

Client Sample ID: TP7-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	160	60		mg/Kg	20	7/2/2021 3:32:36 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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							Analyst: mb
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							Analyst: mb
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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-009

Collection Date: 6/24/2021 10:20:00 AM

Client Sample ID: TP8-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1200	60		mg/Kg	20	7/2/2021 3:45:01 PM	61081
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2021 8:48:58 AM	61003
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 8:48:58 AM	61003
Surr: DNOP	112	70-130		%Rec	1	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	1	7/3/2021 9:00:00 AM	60981
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36**Lab ID:** 2106E36-010**Collection Date:** 6/24/2021 10:30:00 AM**Client Sample ID:** TP8-6**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	1200	60		mg/Kg	20	7/2/2021 3:57:26 PM	61081
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: 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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-011

Collection Date: 6/24/2021 10:40:00 AM

Client Sample ID: TP8-10

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	300	60		mg/Kg	20	7/2/2021 8:51:19 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

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		mg/Kg	20	7/2/2021 9:03:44 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 8:22:20 AM	60994
Surr: BFB	103	70-130		%Rec	1	7/2/2021 8:22:20 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2021 3:08:12 AM	61004
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 3:08:12 AM	61004
Surr: DNOP	85.2	70-130		%Rec	1	7/1/2021 3:08:12 AM	61004
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/2/2021 8:22:20 AM	60994
Toluene	ND	0.050		mg/Kg	1	7/2/2021 8:22:20 AM	60994
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 8:22:20 AM	60994
Xylenes, Total	ND	0.10		mg/Kg	1	7/2/2021 8:22:20 AM	60994
Surr: 1,2-Dichloroethane-d4	111	70-130		%Rec	1	7/2/2021 8:22:20 AM	60994
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	7/2/2021 8:22:20 AM	60994
Surr: Dibromofluoromethane	108	70-130		%Rec	1	7/2/2021 8:22:20 AM	60994
Surr: Toluene-d8	105	70-130		%Rec	1	7/2/2021 8:22:20 AM	60994

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

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

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36**Lab ID:** 2106E36-013**Collection Date:** 6/24/2021 11:10:00 AM**Client Sample ID:** TP9-10**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1400	59		mg/Kg	20	7/2/2021 9:16:08 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-014

Collection Date: 6/24/2021 12:55:00 PM

Client Sample ID: TP9-17

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2400	150		mg/Kg	50	7/6/2021 10:44:35 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: 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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-015

Collection Date: 6/24/2021 1:05:00 PM

Client Sample ID: TP9-20

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1500	60		mg/Kg	20	7/2/2021 9:40:56 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	7/1/2021 4:21:02 AM	61004
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 4:21:02 AM	61004
Surr: DNOP	76.8	70-130		%Rec	1	7/1/2021 4:21:02 AM	61004
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-016

Collection Date: 6/24/2021 1:20:00 PM

Client Sample ID: TP10-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/2/2021 9:53:20 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	7/1/2021 4:45:21 AM	61004
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 4:45:21 AM	61004
Surr: DNOP	47.2	70-130	S	%Rec	1	7/1/2021 4:45:21 AM	61004
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36**Lab ID:** 2106E36-017**Collection Date:** 6/24/2021 1:30:00 PM**Client Sample ID:** TP10-2**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	160	60		mg/Kg	20	7/2/2021 10:55:23 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-018

Collection Date: 6/24/2021 1:40:00 PM

Client Sample ID: TP11-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/2/2021 11:32:35 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-019

Collection Date: 6/24/2021 1:45:00 PM

Client Sample ID: TP11-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	130	60		mg/Kg	20	7/2/2021 11:45:00 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 11:32:31 AM	60994
Surr: BFB	98.9	70-130		%Rec	1	7/2/2021 11:32:31 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	7/1/2021 5:58:16 AM	61004
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	7/1/2021 5:58:16 AM	61004
Surr: DNOP	40.8	70-130	S	%Rec	1	7/1/2021 5:58:16 AM	61004
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	7/2/2021 11:32:31 AM	60994
Toluene	ND	0.049		mg/Kg	1	7/2/2021 11:32:31 AM	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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

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Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-020

Collection Date: 6/24/2021 1:55:00 PM

Client Sample ID: TP12-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/2/2021 11:57:24 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	7/2/2021 11:59:45 AM	60994
Surr: BFB	100	70-130		%Rec	1	7/2/2021 11:59:45 AM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36**Lab ID:** 2106E36-021**Collection Date:** 6/24/2021 2:00:00 PM**Client Sample ID:** TP12-2**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	330	60		mg/Kg	20	7/2/2021 12:09:48 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Surr: BFB	102	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Toluene	ND	0.049		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Ethylbenzene	ND	0.049		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Xylenes, Total	ND	0.099		mg/Kg	1	7/2/2021 12:27:04 PM	60994
Surr: 1,2-Dichloroethane-d4	109	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994
Surr: Dibromofluoromethane	111	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994
Surr: Toluene-d8	107	70-130		%Rec	1	7/2/2021 12:27:04 PM	60994

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

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

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36**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							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/2/2021 12:22:12 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	7/1/2021 7:11:13 AM	61004
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	7/1/2021 7:11:13 AM	61004
Surr: DNOP	42.1	70-130	S	%Rec	1	7/1/2021 7:11:13 AM	61004
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106E36

Date Reported: 7/9/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E36

Lab ID: 2106E36-023

Collection Date: 6/24/2021 2:30:00 PM

Client Sample ID: TP13-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	310	60		mg/Kg	20	7/2/2021 12:34:37 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: 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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

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

WO#: 2106E36

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-61081	SampType: MBLK	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 61081	RunNo: 79497								
Prep Date: 7/1/2021	Analysis Date: 7/1/2021	SeqNo: 2796217 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-61081	SampType: LCS	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61081	RunNo: 79497								
Prep Date: 7/1/2021	Analysis Date: 7/1/2021	SeqNo: 2796218 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Sample ID: 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: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 61086	RunNo: 79568								
Prep Date: 7/1/2021	Analysis Date: 7/2/2021	SeqNo: 2797961 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Qualifiers:

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

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

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

WO#: 2106E36

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-61004	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61004	RunNo: 79496								
Prep Date: 6/29/2021	Analysis Date: 7/1/2021	SeqNo: 2794892 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		77.6	70	130			

Sample ID: LCS-61004	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61004	RunNo: 79496								
Prep Date: 6/29/2021	Analysis Date: 7/1/2021	SeqNo: 2794894 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.7	68.9	141			
Surr: DNOP	3.5		5.000		69.8	70	130			S

Sample ID: 2106E36-010AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP8-6	Batch ID: 61004	RunNo: 79496								
Prep Date: 6/29/2021	Analysis Date: 7/1/2021	SeqNo: 2794934 Units: mg/Kg								
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: 2106E36-010AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: TP8-6	Batch ID: 61004	RunNo: 79496								
Prep Date: 6/29/2021	Analysis Date: 7/1/2021	SeqNo: 2794936 Units: mg/Kg								
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	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61003	RunNo: 79521								
Prep Date: 6/29/2021	Analysis Date: 6/30/2021	SeqNo: 2796477 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	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 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

Page 22 of 28

QC SUMMARY REPORT

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 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

Page 23 of 28

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

WO#: 2106E36

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-60981	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 60981	RunNo: 79563								
Prep Date: 6/28/2021	Analysis Date: 7/2/2021	SeqNo: 2798482 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.7	70	130			

Sample ID: lcs-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								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	99.6	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: lcs-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			

Qualifiers:

* Value exceeds Maximum Contaminant 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

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

WO#: 2106E36

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-60981	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 60981	RunNo: 79563								
Prep Date: 6/28/2021	Analysis Date: 7/2/2021	SeqNo: 2798540 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.6	70	130			

Sample ID: lcs-60981	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 60981	RunNo: 79563								
Prep Date: 6/28/2021	Analysis Date: 7/2/2021	SeqNo: 2798542 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	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	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	SeqNo: 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: lcs-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			

Qualifiers:

* Value exceeds Maximum Contaminant 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

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

WO#: 2106E36

09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2106e36-011ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: TP8-10	Batch ID: 60994	RunNo: 79523								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2798982 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	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: TP8-10	Batch ID: 60994	RunNo: 79523								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	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	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 60994	RunNo: 79523								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2799002 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 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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2106E36
09-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-60994	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 60994	RunNo: 79523								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2799003	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 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

QC SUMMARY REPORT**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: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.30	1.402	85.7	64.4	124			
Surr: BFB	470		485.9		96.8	70	130			

Sample ID: 2106e36-010amsd	SampType: MSD	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: 2799008 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	23.76	1.402	85.6	64.4	124	2.25	20	
Surr: BFB	460		475.3		97.0	70	130	0	0	

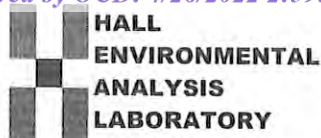
Sample ID: LCS-60994	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 60994	RunNo: 79523								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2799028 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit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

Sample ID: 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
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



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

Juan Rojas

Completed By: Cheyenne Cason

6/26/2021 10:16:03 AM

*Cason*Reviewed By: *SGC 6/26/21*Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *DAD 6.26.21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good				
2	0.1	Good				

Client: GHD

3324 W. Main St. Suite 108, Artesia NM 88210

Email or Fax#: Becky.Haskell@ghd.com

☐ Standard ☐ Level 4 (Full Validation)☐ NELAC ☐ Other _____[illegible]



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,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37

Lab ID: 2106E37-001

Collection Date: 6/25/2021 8:10:00 AM

Client Sample ID: TP14-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	6000	300		mg/Kg	100	7/6/2021 10:57:00 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37

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	50	7/6/2021 11:09:24 AM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 2:16:25 PM	60994
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	1	7/1/2021 8:24:07 AM	61004
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	7/1/2021 8:24:07 AM	61004
Surr: DNOP	58.0	70-130	S	%Rec	1	7/1/2021 8:24:07 AM	61004
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	7/2/2021 2:16:25 PM	60994
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	1	7/2/2021 2:16:25 PM	60994
Surr: Dibromofluoromethane	112	70-130		%Rec	1	7/2/2021 2:16:25 PM	60994
Surr: Toluene-d8	108	70-130		%Rec	1	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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37**Lab ID:** 2106E37-003**Collection Date:** 6/25/2021 8:30:00 AM**Client Sample ID:** TP14-10**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	7/2/2021 1:36:38 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37**Lab ID:** 2106E37-004**Collection Date:** 6/25/2021 8:35:00 AM**Client Sample ID:** TP14-12**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	310	60		mg/Kg	20	7/2/2021 1:49:03 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37**Lab ID:** 2106E37-005**Collection Date:** 6/25/2021 8:40:00 AM**Client Sample ID:** TP15-S**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/2/2021 2:01:27 PM	61086
EPA METHOD 8015D MOD: GASOLINE RANGE							Analyst: 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 ORGANICS							Analyst: JME
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
EPA METHOD 8260B: VOLATILES SHORT LIST							Analyst: 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix		

Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37**Lab ID:** 2106E37-006**Collection Date:** 6/25/2021 8:45:00 AM**Client Sample ID:** TP15-2**Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
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 ORGANICS							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
EPA METHOD 8260B: VOLATILES SHORT LIST							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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37

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	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	7/2/2021 2:26:17 PM	61086
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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							Analyst: 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							Analyst: 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							Analyst: VP
Chloride	400	61		mg/Kg	20	7/2/2021 4:09:50 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	6/30/2021 4:11:35 PM	61007
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/30/2021 4:11:35 PM	61007
Surr: DNOP	53.4	70-130	S	%Rec	1	6/30/2021 4:11:35 PM	61007
EPA METHOD 8015D: GASOLINE RANGE							Analyst: 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							Analyst: 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 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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Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37

Lab ID: 2106E37-009

Collection Date: 6/25/2021 9:15:00 AM

Client Sample ID: TP17-S

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 4:22:15 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	6/30/2021 4:35:49 PM	61007
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/30/2021 4:35:49 PM	61007
Surr: DNOP	50.3	70-130	S	%Rec	1	6/30/2021 4:35:49 PM	61007
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	7/2/2021 2:18:08 PM	61005
Surr: BFB	100	70-130		%Rec	1	7/2/2021 2:18:08 PM	61005
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	7/2/2021 2:18:08 PM	61005
Toluene	ND	0.050		mg/Kg	1	7/2/2021 2:18:08 PM	61005
Ethylbenzene	ND	0.050		mg/Kg	1	7/2/2021 2:18:08 PM	61005
Xylenes, Total	ND	0.10		mg/Kg	1	7/2/2021 2:18:08 PM	61005
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	7/2/2021 2:18:08 PM	61005

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

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

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Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37

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	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 4:34:39 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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							Analyst: 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							Analyst: 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	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	ND	60		mg/Kg	20	7/2/2021 4:47:04 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: 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							Analyst: 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							Analyst: 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 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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Analytical Report

Lab Order: 2106E37

Date Reported: 7/8/2021

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland
Project: Jackson AT Battery

Lab Order: 2106E37

Lab ID: 2106E37-012

Collection Date: 6/25/2021 9:40:00 AM

Client Sample ID: TP18-2

Matrix: SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS							Analyst: VP
Chloride	140	60		mg/Kg	20	7/2/2021 4:59:28 PM	61088
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: JME
Diesel Range Organics (DRO)	10	9.6		mg/Kg	1	6/30/2021 6:12:51 PM	61007
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/30/2021 6:12:51 PM	61007
Surr: DNOP	60.9	70-130	S	%Rec	1	6/30/2021 6:12:51 PM	61007
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	7/2/2021 4:40:36 PM	61005
Surr: BFB	99.8	70-130		%Rec	1	7/2/2021 4:40:36 PM	61005
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	7/2/2021 4:40:36 PM	61005
Toluene	ND	0.048		mg/Kg	1	7/2/2021 4:40:36 PM	61005
Ethylbenzene	ND	0.048		mg/Kg	1	7/2/2021 4:40:36 PM	61005
Xylenes, Total	ND	0.096		mg/Kg	1	7/2/2021 4:40:36 PM	61005
Surr: 4-Bromofluorobenzene	98.6	70-130		%Rec	1	7/2/2021 4:40:36 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.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix		E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded		J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit		P	Sample pH Not In Range
	PQL	Practical Quantitative Limit		RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix			

QC SUMMARY REPORT**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: lcs	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 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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QC SUMMARY REPORT**Hall Environmental Analysis Laboratory, Inc.**

WO#: 2106E37

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-61004	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61004	RunNo: 79496								
Prep Date: 6/29/2021	Analysis Date: 7/1/2021	SeqNo: 2794892 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		77.6	70	130			

Sample ID: MB-61007	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 61007	RunNo: 79496								
Prep Date: 6/29/2021	Analysis Date: 6/30/2021	SeqNo: 2794893 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.8	70	130			

Sample ID: LCS-61004	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61004	RunNo: 79496								
Prep Date: 6/29/2021	Analysis Date: 7/1/2021	SeqNo: 2794894 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.7	68.9	141			
Surr: DNOP	3.5		5.000		69.8	70	130			S

Sample ID: LCS-61007	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 61007	RunNo: 79496								
Prep Date: 6/29/2021	Analysis Date: 6/30/2021	SeqNo: 2794895 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.8	68.9	141			
Surr: DNOP	4.2		5.000		84.1	70	130			

Sample ID: 2106E37-007AMS	SampType: MS	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: 2794935 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.9	49.31	0	92.0	15	184			
Surr: DNOP	2.9		4.931		59.4	70	130			S

Qualifiers:

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

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)	46	9.8	49.12	0	94.0	15	184	1.80	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 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

QC SUMMARY REPORT**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: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

Sample ID: lcs-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	0	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								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.80	0	98.4	61.3	114			
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								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.7	23.74	0	101	61.3	114	1.32	20	
Surr: BFB	1000		949.7		110	70	130	0	0	

Qualifiers:

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

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

QC SUMMARY REPORT**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								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

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

Sample ID: 2106e37-008ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP16-2	Batch ID: 61005	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797849 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	0.9804	0	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			

Sample ID: 2106e37-008amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: TP16-2	Batch ID: 61005	RunNo: 79564								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2797850 Units: mg/Kg								
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
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

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

WO#: 2106E37

08-Jul-21

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-60994	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 60994	RunNo: 79523								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2799002	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	104	80	120			
Toluene	0.99	0.050	1.000	0	99.5	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.8	80	120			
Surr: 1,2-Dichloroethane-d4	0.57		0.5000		113	70	130			
Surr: 4-Bromofluorobenzene	0.52		0.5000		104	70	130			
Surr: Dibromofluoromethane	0.54		0.5000		109	70	130			
Surr: Toluene-d8	0.52		0.5000		105	70	130			

Sample ID: mb-60994	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 60994	RunNo: 79523								
Prep Date: 6/29/2021	Analysis Date: 7/2/2021	SeqNo: 2799003	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 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

QC SUMMARY REPORT**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					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.1	70	130			
Surr: BFB	500		500.0		101	70	130			

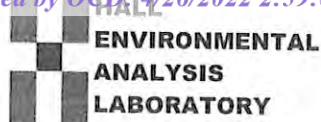
Sample ID: mb-60994	SampType: MBLK		TestCode: EPA Method 8015D Mod: Gasoline Range							
Client ID: PBS	Batch ID: 60994		RunNo: 79523							
Prep Date: 6/29/2021	Analysis Date: 7/2/2021		SeqNo: 2799029		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
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: 2106E37

RcptNo: 1

Received By: Juan Rojas

6/26/2021 8:30:00 AM

Juan Rojas

Completed By: Cheyenne Cason

6/26/2021 10:34:03 AM

*Cheyenne Cason*Reviewed By: *SEC 6/26/21*Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *DAD 6.26.21*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.7	Good				
2	0.1	Good				

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard☐ Rush

Project Name:

Jackson AT Battery

Project #:

11229324

Project Manager:

Becky Haskell

Tom Larson

Sampler:

Zach Comino

On Ice:

☒ Yes☐ No

of Coolers: 2

Cooler Temp (including CF): 0.5-0.2-0.7

Container Type and #

Preservative Type

HEAL No.

2106E37

0.3-0.2-0.1

001

002

003

004

005

006

007

008

009

010

011

012

013

014

015

016

017

018

019

020

021

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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

February 22, 2022

Tom Larson
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX

RE: Jackson AT Battery

OrderNo.: 2202387

Dear Tom Larson:

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

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-1

Project: Jackson AT Battery

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

Lab ID: 2202387-001

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-2

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:05:00 AM

Lab ID: 2202387-002

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-3

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:10:00 AM

Lab ID: 2202387-003

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-4

Project: Jackson AT Battery

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

Lab ID: 2202387-004

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-5

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:20:00 AM

Lab ID: 2202387-005

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-6

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:25:00 AM

Lab ID: 2202387-006

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-7

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:30:00 AM

Lab ID: 2202387-007

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-8

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:35:00 AM

Lab ID: 2202387-008

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-9

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:40:00 AM

Lab ID: 2202387-009

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-10

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:45:00 AM

Lab ID: 2202387-010

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-11

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:50:00 AM

Lab ID: 2202387-011

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-12

Project: Jackson AT Battery

Collection Date: 2/8/2022 8:55:00 AM

Lab ID: 2202387-012

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-13

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:00:00 AM

Lab ID: 2202387-013

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-14

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:05:00 AM

Lab ID: 2202387-014

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-15

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:10:00 AM

Lab ID: 2202387-015

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-16

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:15:00 AM

Lab ID: 2202387-016

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-17

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:20:00 AM

Lab ID: 2202387-017

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-18

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:25:00 AM

Lab ID: 2202387-018

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-19

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:30:00 AM

Lab ID: 2202387-019

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-20

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:35:00 AM

Lab ID: 2202387-020

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-21

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:40:00 AM

Lab ID: 2202387-021

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-22

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:45:00 AM

Lab ID: 2202387-022

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-23

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:50:00 AM

Lab ID: 2202387-023

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-24

Project: Jackson AT Battery

Collection Date: 2/8/2022 9:55:00 AM

Lab ID: 2202387-024

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-25

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:00:00 AM

Lab ID: 2202387-025

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-26

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:05:00 AM

Lab ID: 2202387-026

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-27

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:10:00 AM

Lab ID: 2202387-027

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-28

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:15:00 AM

Lab ID: 2202387-028

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-1

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:30:00 AM

Lab ID: 2202387-029

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-2

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:35:00 AM

Lab ID: 2202387-030

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-3

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:40:00 AM

Lab ID: 2202387-031

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-4

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:45:00 AM

Lab ID: 2202387-032

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-5

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:50:00 AM

Lab ID: 2202387-033

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-6

Project: Jackson AT Battery

Collection Date: 2/8/2022 10:55:00 AM

Lab ID: 2202387-034

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-7

Project: Jackson AT Battery

Collection Date: 2/8/2022 11:00:00 AM

Lab ID: 2202387-035

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-8

Project: Jackson AT Battery

Collection Date: 2/8/2022 11:05:00 AM

Lab ID: 2202387-036

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-9

Project: Jackson AT Battery

Collection Date: 2/8/2022 11:10:00 AM

Lab ID: 2202387-037

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-29

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:00:00 PM

Lab ID: 2202387-038

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-30

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:05:00 PM

Lab ID: 2202387-039

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-31

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:10:00 PM

Lab ID: 2202387-040

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-32

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:15:00 PM

Lab ID: 2202387-041

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-33

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:20:00 PM

Lab ID: 2202387-042

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-34

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:25:00 PM

Lab ID: 2202387-043

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-35

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:30:00 PM

Lab ID: 2202387-044

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-36

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:35:00 PM

Lab ID: 2202387-045

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-37

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:40:00 PM

Lab ID: 2202387-046

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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Analytical Report

Lab Order 2202387

Date Reported: 2/22/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-38

Project: Jackson AT Battery

Collection Date: 2/8/2022 1:45:00 PM

Lab ID: 2202387-047

Matrix: SOIL

Received Date: 2/9/2022 8:21:00 AM

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

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

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65494	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65494	RunNo: 85797								
Prep Date: 2/11/2022	Analysis Date: 2/11/2022	SeqNo: 3020755 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65494	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65494	RunNo: 85797								
Prep Date: 2/11/2022	Analysis Date: 2/11/2022	SeqNo: 3020756 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Sample ID: MB-65504	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65504	RunNo: 85798								
Prep Date: 2/11/2022	Analysis Date: 2/11/2022	SeqNo: 3020904 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65504	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65504	RunNo: 85798								
Prep Date: 2/11/2022	Analysis Date: 2/11/2022	SeqNo: 3020905 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.1	90	110			

Sample ID: MB-65508	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65508	RunNo: 85802								
Prep Date: 2/12/2022	Analysis Date: 2/12/2022	SeqNo: 3021341 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65508	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65508	RunNo: 85802								
Prep Date: 2/12/2022	Analysis Date: 2/12/2022	SeqNo: 3021342 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

Qualifiers:

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65522	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65522	RunNo: 85813								
Prep Date: 2/14/2022	Analysis Date: 2/14/2022	SeqNo: 3022360			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65522	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65522	RunNo: 85813								
Prep Date: 2/14/2022	Analysis Date: 2/14/2022	SeqNo: 3022361			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.0	90	110			

Sample ID: 2202387-045AMSD	SampType: msd	TestCode: EPA Method 300.0: Anions								
Client ID: BH-36	Batch ID: 65541	RunNo: 85813								
Prep Date: 2/14/2022	Analysis Date: 2/14/2022	SeqNo: 3022398			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	720	60	30.00	696.8	88.7	57.5	166	17.7	20	

Sample ID: MB-65541	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65541	RunNo: 85813								
Prep Date: 2/14/2022	Analysis Date: 2/14/2022	SeqNo: 3022424			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65541	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65541	RunNo: 85813								
Prep Date: 2/14/2022	Analysis Date: 2/15/2022	SeqNo: 3022425			Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202387-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-1	Batch ID: 65454	RunNo: 85759								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019445 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.8	49.02	5.410	77.4	39.3	155			
Surr: DNOP	3.0		4.902		61.7	51.1	141			

Sample ID: 2202387-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-1	Batch ID: 65454	RunNo: 85759								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019446 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.8	49.12	5.410	76.6	39.3	155	0.765	23.4	
Surr: DNOP	3.1		4.912		63.0	51.1	141	0	0	

Sample ID: LCS-65454	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65454	RunNo: 85759								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019510 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	10	50.00	0	82.2	68.9	135			
Surr: DNOP	3.8		5.000		75.9	51.1	141			

Sample ID: LCS-65458	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65458	RunNo: 85759								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019511 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.9	68.9	135			
Surr: DNOP	3.7		5.000		73.9	51.1	141			

Sample ID: MB-65454	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65454	RunNo: 85759								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019513 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.3	51.1	141			

Qualifiers:

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65458	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65458	RunNo: 85759								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019514 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.2	51.1	141			

Sample ID: MB-65470	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65470	RunNo: 85809								
Prep Date: 2/10/2022	Analysis Date: 2/14/2022	SeqNo: 3022503 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.2	51.1	141			

Sample ID: LCS-65470	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65470	RunNo: 85809								
Prep Date: 2/10/2022	Analysis Date: 2/14/2022	SeqNo: 3022504 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	68.9	135			
Surr: DNOP	4.4		5.000		87.8	51.1	141			

Sample ID: 2202387-041AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-32	Batch ID: 65470	RunNo: 85857								
Prep Date: 2/10/2022	Analysis Date: 2/15/2022	SeqNo: 3023376 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	220	48	48.08	182.2	81.1	39.3	155	22.1	23.4	
Surr: DNOP	2.5		4.808		51.1	51.1	141	0	0	

Sample ID: 2202387-041AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-32	Batch ID: 65470	RunNo: 85859								
Prep Date: 2/10/2022	Analysis Date: 2/15/2022	SeqNo: 3023639 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	180	46	45.91	182.2	-11.0	39.3	155			S
Surr: DNOP	4.1		4.591		89.0	51.1	141			

Qualifiers:

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

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65457	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65457	RunNo: 85758								
Prep Date: 2/9/2022	Analysis Date: 2/11/2022	SeqNo: 3019307 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		113	70	130			

Sample ID: lcs-65457	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65457	RunNo: 85758								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019309 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	107	78.6	131			
Surr: BFB	1200		1000		125	70	130			

Sample ID: 2202387-041ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-32	Batch ID: 65457	RunNo: 85758								
Prep Date: 2/9/2022	Analysis Date: 2/11/2022	SeqNo: 3019311 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	25	24.53	0	121	70	130			
Surr: BFB	5800		4907		118	70	130			

Sample ID: 2202387-041amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-32	Batch ID: 65457	RunNo: 85758								
Prep Date: 2/9/2022	Analysis Date: 2/11/2022	SeqNo: 3019312 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	25	24.73	0	120	70	130	0.125	20	
Surr: BFB	5800		4946		118	70	130	0	0	

Sample ID: lcs-65448	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65448	RunNo: 85767								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019658 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	78.6	131			
Surr: BFB	1100		1000		112	70	130			

Sample ID: mb-65448	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65448	RunNo: 85767								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019659 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65448	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 65448		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019659		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: 2202387-001ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: BH-1	Batch ID: 65448		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019661		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	33	4.8	23.88	0	136	70	130			S
Surr: BFB	1100		955.1		116	70	130			

Sample ID: 2202387-001ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: BH-1	Batch ID: 65448		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019662		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	4.8	23.88	0	132	70	130			S
Surr: BFB	1200		955.1		120	70	130			

Sample ID: lcs-65453	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 65453		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019682		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	78.6	131			
Surr: BFB	1100		1000		110	70	130			

Sample ID: mb-65453	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 65453		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019683		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	960		1000		95.7	70	130			

Sample ID: 2202387-021ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: BH-21	Batch ID: 65453		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019685		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202387-021ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-21	Batch ID: 65453	RunNo: 85767								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019685	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	35	25	24.65	0	141	70	130			S
Surr: BFB	5700		4931		115	70	130			

Sample ID: 2202387-021amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-21	Batch ID: 65453	RunNo: 85767								
Prep Date: 2/9/2022	Analysis Date: 2/10/2022	SeqNo: 3019686	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	35	24	24.41	0	143	70	130	0.851	20	S
Surr: BFB	5400		4883		111	70	130	0	0	

Qualifiers:

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65457	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65457	RunNo: 85758								
Prep Date: 2/9/2022	Analysis Date: 2/11/2022	SeqNo: 3019352	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		107	70	130			

Sample ID: LCS-65457	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65457	RunNo: 85758								
Prep Date: 2/9/2022	Analysis Date: 2/11/2022	SeqNo: 3019353	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.4	80	120			
Toluene	0.97	0.050	1.000	0	96.8	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.8	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.0	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	70	130			

Sample ID: 2202387-042ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-33	Batch ID: 65457	RunNo: 85758								
Prep Date: 2/9/2022	Analysis Date: 2/11/2022	SeqNo: 3019356	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.12	0.9515	0	95.8	80	120			
Toluene	0.95	0.24	0.9515	0	100	80	120			
Ethylbenzene	0.99	0.24	0.9515	0	104	80	120			
Xylenes, Total	2.9	0.48	2.854	0	103	80	120			
Surr: 4-Bromofluorobenzene	5.1		4.757		108	70	130			

Sample ID: 2202387-042amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-33	Batch ID: 65457	RunNo: 85758								
Prep Date: 2/9/2022	Analysis Date: 2/11/2022	SeqNo: 3019357	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.12	0.9479	0	99.6	80	120	3.46	20	
Toluene	1.0	0.24	0.9479	0	106	80	120	5.21	20	
Ethylbenzene	1.0	0.24	0.9479	0	107	80	120	3.03	20	
Xylenes, Total	3.1	0.47	2.844	0	108	80	120	4.74	20	
Surr: 4-Bromofluorobenzene	5.1		4.739		107	70	130	0	0	

Qualifiers:

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-65448	SampType: LCS		TestCode: EPA Method 8021B: Volatiles							
Client ID: LCSS	Batch ID: 65448		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019761		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	99.8	80	120			
Toluene	0.99	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.8	70	130			

Sample ID: mb-65448	SampType: MBLK		TestCode: EPA Method 8021B: Volatiles							
Client ID: PBS	Batch ID: 65448		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019762		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.3	70	130			

Sample ID: 2202387-002ams	SampType: MS		TestCode: EPA Method 8021B: Volatiles							
Client ID: BH-2	Batch ID: 65448		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019765		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9579	0	116	80	120			
Toluene	1.1	0.048	0.9579	0	117	80	120			
Ethylbenzene	1.1	0.048	0.9579	0	116	80	120			
Xylenes, Total	3.4	0.096	2.874	0	117	80	120			
Surr: 4-Bromofluorobenzene	0.92		0.9579		95.7	70	130			

Sample ID: 2202387-002amsd	SampType: MSD		TestCode: EPA Method 8021B: Volatiles							
Client ID: BH-2	Batch ID: 65448		RunNo: 85767							
Prep Date: 2/9/2022	Analysis Date: 2/10/2022		SeqNo: 3019766		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.2	0.024	0.9653	0	121	80	120	4.65	20	S
Toluene	1.2	0.048	0.9653	0	120	80	120	3.20	20	
Ethylbenzene	1.2	0.048	0.9653	0	120	80	120	4.11	20	
Xylenes, Total	3.5	0.097	2.896	0	120	80	120	3.73	20	S
Surr: 4-Bromofluorobenzene	0.89		0.9653		92.7	70	130	0	0	

Qualifiers:

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

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

WO#: 2202387

22-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-65453	SampType: LCS				TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batch ID: 65453				RunNo: 85767					
Prep Date: 2/9/2022	Analysis Date: 2/10/2022				SeqNo: 3019785		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	99.8	80	120			
Toluene	0.99	0.050	1.000	0	98.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: mb-65453	SampType: MBLK				TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch ID: 65453				RunNo: 85767					
Prep Date: 2/9/2022	Analysis Date: 2/10/2022				SeqNo: 3019786		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	70	130			

Sample ID: 2202387-022ams	SampType: MS				TestCode: EPA Method 8021B: Volatiles					
Client ID: BH-22	Batch ID: 65453				RunNo: 85767					
Prep Date: 2/9/2022	Analysis Date: 2/10/2022				SeqNo: 3019789		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9551	0	117	80	120			
Toluene	1.1	0.048	0.9551	0	113	80	120			
Ethylbenzene	1.1	0.048	0.9551	0	112	80	120			
Xylenes, Total	3.2	0.096	2.865	0	112	80	120			
Surr: 4-Bromofluorobenzene	0.85		0.9551		88.8	70	130			

Sample ID: 2202387-022amsd	SampType: MSD				TestCode: EPA Method 8021B: Volatiles					
Client ID: BH-22	Batch ID: 65453				RunNo: 85767					
Prep Date: 2/9/2022	Analysis Date: 2/10/2022				SeqNo: 3019790		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9452	0	118	80	120	0.0450	20	
Toluene	1.1	0.047	0.9452	0	117	80	120	2.62	20	
Ethylbenzene	1.1	0.047	0.9452	0	115	80	120	1.38	20	
Xylenes, Total	3.3	0.095	2.836	0	115	80	120	1.89	20	
Surr: 4-Bromofluorobenzene	0.87		0.9452		91.9	70	130	0	0	

Qualifiers:

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

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

WO#: 2202387

22-Feb-22

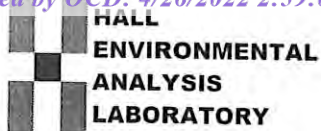
Client: GHD Midland
Project: Jackson AT Battery

Sample ID: ics-65448	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65448			RunNo: 85799						
Prep Date: 2/9/2022	Analysis Date: 2/11/2022			SeqNo: 3021232		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	101	80	120			
Toluene	1.0	0.050	1.000	0	99.8	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.6	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	70	130			

Qualifiers:

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

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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2202387

RcptNo: 1

Received By: Sean Livingston 2/9/2022 8:00:00 AM

Completed By: Sean Livingston 2/9/2022 8:34:44 AM

Reviewed By: ID 02/09/22

San Lopez
San Lopez

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: KPG 2/9/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

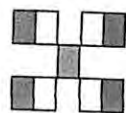
Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good				
2	5.3	Good				



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard

☐ Level 4 (Full Validation)

Accreditation:

☐ Az Compliance

☐ NELAC

☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard

☒ Rush 5-day

Project Name:

Tuckson AT Battery

Project #:

11229524

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 2

Cooler Temp (including CF): 24 ± 0 = 24 °C

Container Type and #

Preservative Type

HEAL No. 53 ± 0 = 53 °C

2202387

Sample Name

BH-1

BH-2

BH-3

BH-4

BH-5

BH-6

BH-7

BH-8

BH-9

BH-10

BH-11

BH-12

Date:

Time:

Relinquished by:

Time:

Relinquished by:

Time:

Received by:

Via:

Date:

Time:

Received by:

Via:

Date:

Time:

Received by:

Via:

Date:

Time:

Remarks: Please email: Chase_Settle@eogresources.com;
Tom.Larson@ghd.com; Zach.Comino@ghd.com
Matthew.Laughlin@ghd.com; Along with Becky Haskell
listed above.
Direct Bill to EOG Chase Settle

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 noted on the analytical report.



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

8081 Pesticides/8082 PCB's	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	Chlorine Residual

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC☐ Other☐ EDD (Type)

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 2

Cooler Temp (including OF): 2.4 ± 0.2 °C

Container Type and #

Preservative Type

HEAL No.

Date Time Matrix Sample Name

2/8/22 0900 S BH-13

0905 BH-14

0910 BH-15

0915 BH-16

0920 BH-17

0925 BH-18

0930 BH-19

0935 BH-20

0940 BH-21

0945 BH-22

0950 BH-23

0955 BH-24

Date: 2/8/22 Time: 1000

Relinquished by: Zach Comino

Relinquished by: Zach Comino

Date: 2/8/22 Time: 1900

Relinquished by: Becky Haskell

Relinquished by: Becky Haskell

Date: 2/8/22 Time: 1600

Relinquished by: Zach Comino

Relinquished by: Zach Comino

Date: 2/8/22 Time: 1600

Relinquished by: Zach Comino

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Relinquished by: Zach Comino

**HALL ENVIRONMENTAL
ANALYSIS LABORATORY**

www.hallenvironmental.com

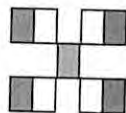
4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 **Fax 505-345-4107**

Analysis Request

Chain-of-Custody Record						Turn-Around Time:	
Client: GHD						<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush 5- <u>days</u>	
Mailing Address:						Project Name: <u>Jackson AT Betty</u>	
324 W. Main St. Suite 108, Artesia NM 88210						Project #: <u>11229324</u>	
Phone #: (505)377-4218							
email or Fax#: <u>Becky.Haskell@ghd.com</u>							
QA/QC Package: <input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)						Project Manager: Becky Haskell Tom Larson	
Accreditation: <input type="checkbox"/> Az Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other _____						Sampler: Zach Comino	
<input type="checkbox"/> EDD (Type) _____						On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
# of Coolers: <u>2</u>							
Cooler Temp(Including OFI): <u>2.4 ± 0 = 2.4°C</u>							
Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	
<u>09/22/2000</u>	<u>1000</u>	<u>S</u>	<u>BH-25</u>	<u>Tov</u>		<u>025</u>	<input checked="" type="checkbox"/>
	<u>1005</u>		<u>BH-26</u>			<u>026</u>	
	<u>1010</u>		<u>BH-27</u>			<u>027</u>	
	<u>1015</u>		<u>BH-28</u>			<u>028</u>	
	<u>1030</u>		<u>SW-1</u>			<u>029</u>	
	<u>1035</u>		<u>SW-2</u>			<u>030</u>	
	<u>1040</u>		<u>SW-3</u>			<u>031</u>	
	<u>1045</u>		<u>SW-4</u>			<u>032</u>	
	<u>1050</u>		<u>SW-5</u>			<u>033</u>	
	<u>1055</u>		<u>SW-6</u>			<u>034</u>	
	<u>1100</u>		<u>SW-7</u>			<u>035</u>	
	<u>1105</u>		<u>SW-8</u>			<u>036</u>	
Relinquished by: <u>Zach Comino</u>						Received by: <u>William</u> Date: <u>2/6/12</u> Time: <u>1000</u>	
Relinquished by: <u>William</u>						Received by: <u>See courier</u> Date: <u>2/6/12</u> Time: <u>8:21</u>	

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report



HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

Standard

Rush 5-dg

Project Name:

Jackson AT Battery

Project #:

11229324

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 2

Cooler Temp (including CP): 7.4 ± 0.5 °C

Container Type and #

Preservative Type

HEAL No.

Date Time Matrix Sample Name

11:00 S SW-9

12:00 BH-29

17:05 BH-30

13:10 BH-51

13:15 BH-32

13:20 BH-32

13:25 BH-54

13:30 BH-55

13:35 BH-36

13:40 BH-37

13:45 BH-38

Jar

037

038

039

040

041

042

043

044

045

046

047

Date: 1600

Time: 0800

Relinquished by: Zach Comino

Relinquished by:

Date: 1900

Time: 1900

Relinquished by: [Signature]

Relinquished by:

Received by:

Via:

Date: 2/8/22

Time: 1600

Received by: [Signature]

Via:

Date: 2/9/22

Time: 8:21

Received by: [Signature]

Received by:

Remarks: Please email: Chase.Settle@eogresources.com;

Tom.Larson@ghd.com; Zach.Comino@ghd.com

Matthew.Laughlin@ghd.com; Along with Becky Haskell

listed above.

Direct Bill to EOG Chase Settle

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.

PH: 8015D (GRO / DRO / MRO)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride Nitrate 300



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

February 28, 2022

Tom Larson
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX

RE: Jackson AT Battery

OrderNo.: 2202760

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 37 sample(s) on 2/16/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-39

Project: Jackson AT Battery

Collection Date: 2/14/2022 8:00:00 AM

Lab ID: 2202760-001

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	7200	300		mg/Kg	100	2/22/2022 12:13:28 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/19/2022 1:53:31 AM	65607
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/19/2022 1:53:31 AM	65607
Surr: DNOP	104	51.1-141		%Rec	1	2/19/2022 1:53:31 AM	65607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/18/2022 3:20:00 AM	65588
Surr: BFB	94.2	70-130		%Rec	1	2/18/2022 3:20:00 AM	65588
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/18/2022 3:20:00 AM	65588
Toluene	ND	0.049		mg/Kg	1	2/18/2022 3:20:00 AM	65588
Ethylbenzene	ND	0.049		mg/Kg	1	2/18/2022 3:20:00 AM	65588
Xylenes, Total	ND	0.098		mg/Kg	1	2/18/2022 3:20:00 AM	65588
Surr: 4-Bromofluorobenzene	81.2	70-130		%Rec	1	2/18/2022 3:20:00 AM	65588

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

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

Page 1 of 45

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-40

Project: Jackson AT Battery

Collection Date: 2/14/2022 8:05:00 AM

Lab ID: 2202760-002

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5800	300		mg/Kg	100	2/22/2022 12:25:49 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/19/2022 2:04:09 AM	65607
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/19/2022 2:04:09 AM	65607
Surr: DNOP	88.7	51.1-141		%Rec	1	2/19/2022 2:04:09 AM	65607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/18/2022 3:40:00 AM	65588
Surr: BFB	97.6	70-130		%Rec	1	2/18/2022 3:40:00 AM	65588
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/18/2022 3:40:00 AM	65588
Toluene	ND	0.050		mg/Kg	1	2/18/2022 3:40:00 AM	65588
Ethylbenzene	ND	0.050		mg/Kg	1	2/18/2022 3:40:00 AM	65588
Xylenes, Total	ND	0.099		mg/Kg	1	2/18/2022 3:40:00 AM	65588
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	2/18/2022 3:40:00 AM	65588

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-41

Project: Jackson AT Battery

Collection Date: 2/14/2022 8:10:00 AM

Lab ID: 2202760-003

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5800	300		mg/Kg	100	2/22/2022 12:38:09 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/19/2022 2:14:46 AM	65607
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/19/2022 2:14:46 AM	65607
Surr: DNOP	109	51.1-141		%Rec	1	2/19/2022 2:14:46 AM	65607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/18/2022 3:59:00 AM	65588
Surr: BFB	97.8	70-130		%Rec	1	2/18/2022 3:59:00 AM	65588
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/18/2022 3:59:00 AM	65588
Toluene	ND	0.050		mg/Kg	1	2/18/2022 3:59:00 AM	65588
Ethylbenzene	ND	0.050		mg/Kg	1	2/18/2022 3:59:00 AM	65588
Xylenes, Total	ND	0.10		mg/Kg	1	2/18/2022 3:59:00 AM	65588
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	2/18/2022 3:59:00 AM	65588

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-42

Project: Jackson AT Battery

Collection Date: 2/14/2022 8:15:00 AM

Lab ID: 2202760-004

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	8300	300		mg/Kg	100	2/22/2022 12:50:31 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/19/2022 2:25:23 AM	65607
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/19/2022 2:25:23 AM	65607
Surr: DNOP	111	51.1-141		%Rec	1	2/19/2022 2:25:23 AM	65607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/18/2022 4:19:00 AM	65588
Surr: BFB	95.3	70-130		%Rec	1	2/18/2022 4:19:00 AM	65588
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/18/2022 4:19:00 AM	65588
Toluene	ND	0.049		mg/Kg	1	2/18/2022 4:19:00 AM	65588
Ethylbenzene	ND	0.049		mg/Kg	1	2/18/2022 4:19:00 AM	65588
Xylenes, Total	ND	0.098		mg/Kg	1	2/18/2022 4:19:00 AM	65588
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	2/18/2022 4:19:00 AM	65588

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-43

Project: Jackson AT Battery

Collection Date: 2/14/2022 8:20:00 AM

Lab ID: 2202760-005

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	3400	150		mg/Kg	50	2/22/2022 1:02:51 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/19/2022 2:35:57 AM	65607
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/19/2022 2:35:57 AM	65607
Surr: DNOP	79.8	51.1-141		%Rec	1	2/19/2022 2:35:57 AM	65607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/18/2022 4:38:00 AM	65588
Surr: BFB	95.4	70-130		%Rec	1	2/18/2022 4:38:00 AM	65588
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/18/2022 4:38:00 AM	65588
Toluene	ND	0.049		mg/Kg	1	2/18/2022 4:38:00 AM	65588
Ethylbenzene	ND	0.049		mg/Kg	1	2/18/2022 4:38:00 AM	65588
Xylenes, Total	ND	0.099		mg/Kg	1	2/18/2022 4:38:00 AM	65588
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	2/18/2022 4:38:00 AM	65588

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-44

Project: Jackson AT Battery

Collection Date: 2/14/2022 8:40:00 AM

Lab ID: 2202760-006

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6000	300		mg/Kg	100	2/22/2022 1:39:53 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/19/2022 2:46:30 AM	65607
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/19/2022 2:46:30 AM	65607
Surr: DNOP	105	51.1-141		%Rec	1	2/19/2022 2:46:30 AM	65607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/18/2022 4:58:00 AM	65588
Surr: BFB	99.7	70-130		%Rec	1	2/18/2022 4:58:00 AM	65588
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/18/2022 4:58:00 AM	65588
Toluene	ND	0.049		mg/Kg	1	2/18/2022 4:58:00 AM	65588
Ethylbenzene	ND	0.049		mg/Kg	1	2/18/2022 4:58:00 AM	65588
Xylenes, Total	ND	0.098		mg/Kg	1	2/18/2022 4:58:00 AM	65588
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	2/18/2022 4:58:00 AM	65588

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-45

Project: Jackson AT Battery

Collection Date: 2/14/2022 8:45:00 AM

Lab ID: 2202760-007

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	5800	300		mg/Kg	100	2/22/2022 1:52:14 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/19/2022 2:57:00 AM	65607
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/19/2022 2:57:00 AM	65607
Surr: DNOP	82.7	51.1-141		%Rec	1	2/19/2022 2:57:00 AM	65607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/18/2022 5:18:00 AM	65588
Surr: BFB	98.1	70-130		%Rec	1	2/18/2022 5:18:00 AM	65588
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/18/2022 5:18:00 AM	65588
Toluene	ND	0.049		mg/Kg	1	2/18/2022 5:18:00 AM	65588
Ethylbenzene	ND	0.049		mg/Kg	1	2/18/2022 5:18:00 AM	65588
Xylenes, Total	ND	0.099		mg/Kg	1	2/18/2022 5:18:00 AM	65588
Surr: 4-Bromofluorobenzene	83.7	70-130		%Rec	1	2/18/2022 5:18:00 AM	65588

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-46

Project: Jackson AT Battery

Collection Date: 2/14/2022 8:50:00 AM

Lab ID: 2202760-008

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6000	300		mg/Kg	100	2/22/2022 2:04:35 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/19/2022 3:07:31 AM	65607
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/19/2022 3:07:31 AM	65607
Surr: DNOP	118	51.1-141		%Rec	1	2/19/2022 3:07:31 AM	65607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/18/2022 5:37:00 AM	65588
Surr: BFB	98.4	70-130		%Rec	1	2/18/2022 5:37:00 AM	65588
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/18/2022 5:37:00 AM	65588
Toluene	ND	0.050		mg/Kg	1	2/18/2022 5:37:00 AM	65588
Ethylbenzene	ND	0.050		mg/Kg	1	2/18/2022 5:37:00 AM	65588
Xylenes, Total	ND	0.099		mg/Kg	1	2/18/2022 5:37:00 AM	65588
Surr: 4-Bromofluorobenzene	85.0	70-130		%Rec	1	2/18/2022 5:37:00 AM	65588

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-47

Project: Jackson AT Battery

Collection Date: 2/14/2022 8:55:00 AM

Lab ID: 2202760-009

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	6200	590		mg/Kg	200	2/22/2022 2:16:55 PM	65701
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/19/2022 3:18:01 AM	65607
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/19/2022 3:18:01 AM	65607
Surr: DNOP	111	51.1-141		%Rec	1	2/19/2022 3:18:01 AM	65607
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/18/2022 5:57:00 AM	65588
Surr: BFB	96.7	70-130		%Rec	1	2/18/2022 5:57:00 AM	65588
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/18/2022 5:57:00 AM	65588
Toluene	ND	0.049		mg/Kg	1	2/18/2022 5:57:00 AM	65588
Ethylbenzene	ND	0.049		mg/Kg	1	2/18/2022 5:57:00 AM	65588
Xylenes, Total	ND	0.098		mg/Kg	1	2/18/2022 5:57:00 AM	65588
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	2/18/2022 5:57:00 AM	65588

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-48

Project: Jackson AT Battery

Collection Date: 2/14/2022 9:00:00 AM

Lab ID: 2202760-010

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	2/22/2022 10:41:42 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/18/2022 8:03:34 PM	65609
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/18/2022 8:03:34 PM	65609
Surr: DNOP	115	51.1-141		%Rec	1	2/18/2022 8:03:34 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/18/2022 2:53:36 AM	65590
Surr: BFB	104	70-130		%Rec	1	2/18/2022 2:53:36 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/18/2022 2:53:36 AM	65590
Toluene	ND	0.049		mg/Kg	1	2/18/2022 2:53:36 AM	65590
Ethylbenzene	ND	0.049		mg/Kg	1	2/18/2022 2:53:36 AM	65590
Xylenes, Total	ND	0.099		mg/Kg	1	2/18/2022 2:53:36 AM	65590
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/18/2022 2:53:36 AM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-49

Project: Jackson AT Battery

Collection Date: 2/14/2022 9:20:00 AM

Lab ID: 2202760-011

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2800	150		mg/Kg	50	2/23/2022 8:07:34 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/18/2022 8:14:08 PM	65609
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/18/2022 8:14:08 PM	65609
Surr: DNOP	116	51.1-141		%Rec	1	2/18/2022 8:14:08 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/18/2022 4:03:28 AM	65590
Surr: BFB	108	70-130		%Rec	1	2/18/2022 4:03:28 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/18/2022 4:03:28 AM	65590
Toluene	ND	0.047		mg/Kg	1	2/18/2022 4:03:28 AM	65590
Ethylbenzene	ND	0.047		mg/Kg	1	2/18/2022 4:03:28 AM	65590
Xylenes, Total	ND	0.094		mg/Kg	1	2/18/2022 4:03:28 AM	65590
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/18/2022 4:03:28 AM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-50

Project: Jackson AT Battery

Collection Date: 2/14/2022 9:25:00 AM

Lab ID: 2202760-012

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	60		mg/Kg	20	2/23/2022 11:50:53 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/18/2022 8:24:40 PM	65609
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/18/2022 8:24:40 PM	65609
Surr: DNOP	95.8	51.1-141		%Rec	1	2/18/2022 8:24:40 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/18/2022 8:49:36 PM	65590
Surr: BFB	105	70-130		%Rec	1	2/18/2022 8:49:36 PM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	2/18/2022 8:49:36 PM	65590
Toluene	ND	0.046		mg/Kg	1	2/18/2022 8:49:36 PM	65590
Ethylbenzene	ND	0.046		mg/Kg	1	2/18/2022 8:49:36 PM	65590
Xylenes, Total	ND	0.093		mg/Kg	1	2/18/2022 8:49:36 PM	65590
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/18/2022 8:49:36 PM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-51

Project: Jackson AT Battery

Collection Date: 2/14/2022 9:30:00 AM

Lab ID: 2202760-013

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	5000	300		mg/Kg	100	2/23/2022 8:19:58 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/18/2022 8:35:13 PM	65609
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/18/2022 8:35:13 PM	65609
Surr: DNOP	111	51.1-141		%Rec	1	2/18/2022 8:35:13 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/18/2022 9:13:09 PM	65590
Surr: BFB	105	70-130		%Rec	1	2/18/2022 9:13:09 PM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/18/2022 9:13:09 PM	65590
Toluene	ND	0.048		mg/Kg	1	2/18/2022 9:13:09 PM	65590
Ethylbenzene	ND	0.048		mg/Kg	1	2/18/2022 9:13:09 PM	65590
Xylenes, Total	ND	0.095		mg/Kg	1	2/18/2022 9:13:09 PM	65590
Surr: 4-Bromofluorobenzene	99.5	70-130		%Rec	1	2/18/2022 9:13:09 PM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-52

Project: Jackson AT Battery

Collection Date: 2/14/2022 9:35:00 AM

Lab ID: 2202760-014

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3900	150		mg/Kg	50	2/23/2022 8:32:23 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/18/2022 8:45:44 PM	65609
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/18/2022 8:45:44 PM	65609
Surr: DNOP	115	51.1-141		%Rec	1	2/18/2022 8:45:44 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/18/2022 9:36:39 PM	65590
Surr: BFB	107	70-130		%Rec	1	2/18/2022 9:36:39 PM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/18/2022 9:36:39 PM	65590
Toluene	ND	0.050		mg/Kg	1	2/18/2022 9:36:39 PM	65590
Ethylbenzene	ND	0.050		mg/Kg	1	2/18/2022 9:36:39 PM	65590
Xylenes, Total	ND	0.099		mg/Kg	1	2/18/2022 9:36:39 PM	65590
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/18/2022 9:36:39 PM	65590

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-53

Project: Jackson AT Battery

Collection Date: 2/14/2022 9:40:00 AM

Lab ID: 2202760-015

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	4900	300		mg/Kg	100	2/23/2022 8:44:47 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	2/18/2022 8:56:14 PM	65609
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/18/2022 8:56:14 PM	65609
Surr: DNOP	119	51.1-141		%Rec	1	2/18/2022 8:56:14 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/18/2022 10:00:11 PM	65590
Surr: BFB	108	70-130		%Rec	1	2/18/2022 10:00:11 PM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/18/2022 10:00:11 PM	65590
Toluene	ND	0.048		mg/Kg	1	2/18/2022 10:00:11 PM	65590
Ethylbenzene	ND	0.048		mg/Kg	1	2/18/2022 10:00:11 PM	65590
Xylenes, Total	ND	0.095		mg/Kg	1	2/18/2022 10:00:11 PM	65590
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/18/2022 10:00:11 PM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-54

Project: Jackson AT Battery

Collection Date: 2/14/2022 10:00:00 AM

Lab ID: 2202760-016

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	6100	300		mg/Kg	100	2/23/2022 8:57:11 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/18/2022 9:06:43 PM	65609
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/18/2022 9:06:43 PM	65609
Surr: DNOP	97.3	51.1-141		%Rec	1	2/18/2022 9:06:43 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/18/2022 10:23:36 PM	65590
Surr: BFB	107	70-130		%Rec	1	2/18/2022 10:23:36 PM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/18/2022 10:23:36 PM	65590
Toluene	ND	0.048		mg/Kg	1	2/18/2022 10:23:36 PM	65590
Ethylbenzene	ND	0.048		mg/Kg	1	2/18/2022 10:23:36 PM	65590
Xylenes, Total	ND	0.096		mg/Kg	1	2/18/2022 10:23:36 PM	65590
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	2/18/2022 10:23:36 PM	65590

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-55

Project: Jackson AT Battery

Collection Date: 2/14/2022 10:05:00 AM

Lab ID: 2202760-017

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2800	150		mg/Kg	50	2/23/2022 9:09:35 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/18/2022 9:17:17 PM	65609
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/18/2022 9:17:17 PM	65609
Surr: DNOP	120	51.1-141		%Rec	1	2/18/2022 9:17:17 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/18/2022 10:47:04 PM	65590
Surr: BFB	106	70-130		%Rec	1	2/18/2022 10:47:04 PM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/18/2022 10:47:04 PM	65590
Toluene	ND	0.050		mg/Kg	1	2/18/2022 10:47:04 PM	65590
Ethylbenzene	ND	0.050		mg/Kg	1	2/18/2022 10:47:04 PM	65590
Xylenes, Total	ND	0.099		mg/Kg	1	2/18/2022 10:47:04 PM	65590
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/18/2022 10:47:04 PM	65590

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-56

Project: Jackson AT Battery

Collection Date: 2/14/2022 10:10:00 AM

Lab ID: 2202760-018

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1800	60		mg/Kg	20	2/23/2022 12:03:17 PM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/18/2022 9:27:50 PM	65609
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/18/2022 9:27:50 PM	65609
Surr: DNOP	82.6	51.1-141		%Rec	1	2/18/2022 9:27:50 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/18/2022 11:10:30 PM	65590
Surr: BFB	105	70-130		%Rec	1	2/18/2022 11:10:30 PM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/18/2022 11:10:30 PM	65590
Toluene	ND	0.049		mg/Kg	1	2/18/2022 11:10:30 PM	65590
Ethylbenzene	ND	0.049		mg/Kg	1	2/18/2022 11:10:30 PM	65590
Xylenes, Total	ND	0.098		mg/Kg	1	2/18/2022 11:10:30 PM	65590
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	2/18/2022 11:10:30 PM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-57

Project: Jackson AT Battery

Collection Date: 2/14/2022 10:15:00 AM

Lab ID: 2202760-019

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2400	150		mg/Kg	50	2/23/2022 9:22:00 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/18/2022 9:38:26 PM	65609
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/18/2022 9:38:26 PM	65609
Surr: DNOP	91.4	51.1-141		%Rec	1	2/18/2022 9:38:26 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/18/2022 11:33:50 PM	65590
Surr: BFB	105	70-130		%Rec	1	2/18/2022 11:33:50 PM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/18/2022 11:33:50 PM	65590
Toluene	ND	0.049		mg/Kg	1	2/18/2022 11:33:50 PM	65590
Ethylbenzene	ND	0.049		mg/Kg	1	2/18/2022 11:33:50 PM	65590
Xylenes, Total	ND	0.097		mg/Kg	1	2/18/2022 11:33:50 PM	65590
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/18/2022 11:33:50 PM	65590

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-58

Project: Jackson AT Battery

Collection Date: 2/14/2022 10:20:00 AM

Lab ID: 2202760-020

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3500	150		mg/Kg	50	2/23/2022 9:34:24 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/18/2022 9:48:58 PM	65609
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/18/2022 9:48:58 PM	65609
Surr: DNOP	95.3	51.1-141		%Rec	1	2/18/2022 9:48:58 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/18/2022 11:57:08 PM	65590
Surr: BFB	107	70-130		%Rec	1	2/18/2022 11:57:08 PM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/18/2022 11:57:08 PM	65590
Toluene	ND	0.048		mg/Kg	1	2/18/2022 11:57:08 PM	65590
Ethylbenzene	ND	0.048		mg/Kg	1	2/18/2022 11:57:08 PM	65590
Xylenes, Total	ND	0.096		mg/Kg	1	2/18/2022 11:57:08 PM	65590
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/18/2022 11:57:08 PM	65590

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-59

Project: Jackson AT Battery

Collection Date: 2/14/2022 10:40:00 AM

Lab ID: 2202760-021

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	4100	150		mg/Kg	50	2/23/2022 9:46:48 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/18/2022 9:59:34 PM	65609
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/18/2022 9:59:34 PM	65609
Surr: DNOP	111	51.1-141		%Rec	1	2/18/2022 9:59:34 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/19/2022 1:06:59 AM	65590
Surr: BFB	105	70-130		%Rec	1	2/19/2022 1:06:59 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 1:06:59 AM	65590
Toluene	ND	0.049		mg/Kg	1	2/19/2022 1:06:59 AM	65590
Ethylbenzene	ND	0.049		mg/Kg	1	2/19/2022 1:06:59 AM	65590
Xylenes, Total	ND	0.097		mg/Kg	1	2/19/2022 1:06:59 AM	65590
Surr: 4-Bromofluorobenzene	99.6	70-130		%Rec	1	2/19/2022 1:06:59 AM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-60

Project: Jackson AT Battery

Collection Date: 2/14/2022 10:45:00 AM

Lab ID: 2202760-022

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3900	150		mg/Kg	50	2/23/2022 9:59:12 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/18/2022 10:10:10 PM	65609
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/18/2022 10:10:10 PM	65609
Surr: DNOP	99.4	51.1-141		%Rec	1	2/18/2022 10:10:10 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/19/2022 1:30:14 AM	65590
Surr: BFB	101	70-130		%Rec	1	2/19/2022 1:30:14 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 1:30:14 AM	65590
Toluene	ND	0.047		mg/Kg	1	2/19/2022 1:30:14 AM	65590
Ethylbenzene	ND	0.047		mg/Kg	1	2/19/2022 1:30:14 AM	65590
Xylenes, Total	ND	0.095		mg/Kg	1	2/19/2022 1:30:14 AM	65590
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	2/19/2022 1:30:14 AM	65590

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-61

Project: Jackson AT Battery

Collection Date: 2/14/2022 10:50:00 AM

Lab ID: 2202760-023

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	4100	150		mg/Kg	50	2/23/2022 10:36:27 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/18/2022 10:20:43 PM	65609
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/18/2022 10:20:43 PM	65609
Surr: DNOP	98.5	51.1-141		%Rec	1	2/18/2022 10:20:43 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/19/2022 1:53:26 AM	65590
Surr: BFB	105	70-130		%Rec	1	2/19/2022 1:53:26 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/19/2022 1:53:26 AM	65590
Toluene	ND	0.049		mg/Kg	1	2/19/2022 1:53:26 AM	65590
Ethylbenzene	ND	0.049		mg/Kg	1	2/19/2022 1:53:26 AM	65590
Xylenes, Total	ND	0.099		mg/Kg	1	2/19/2022 1:53:26 AM	65590
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/19/2022 1:53:26 AM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-62

Project: Jackson AT Battery

Collection Date: 2/14/2022 10:55:00 AM

Lab ID: 2202760-024

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3000	150		mg/Kg	50	2/23/2022 10:48:51 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/18/2022 10:31:15 PM	65609
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/18/2022 10:31:15 PM	65609
Surr: DNOP	98.4	51.1-141		%Rec	1	2/18/2022 10:31:15 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/19/2022 2:16:36 AM	65590
Surr: BFB	104	70-130		%Rec	1	2/19/2022 2:16:36 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 2:16:36 AM	65590
Toluene	ND	0.047		mg/Kg	1	2/19/2022 2:16:36 AM	65590
Ethylbenzene	ND	0.047		mg/Kg	1	2/19/2022 2:16:36 AM	65590
Xylenes, Total	ND	0.095		mg/Kg	1	2/19/2022 2:16:36 AM	65590
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/19/2022 2:16:36 AM	65590

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-63

Project: Jackson AT Battery

Collection Date: 2/14/2022 11:00:00 AM

Lab ID: 2202760-025

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	380	61		mg/Kg	20	2/23/2022 12:15:41 PM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/18/2022 10:41:47 PM	65609
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/18/2022 10:41:47 PM	65609
Surr: DNOP	107	51.1-141		%Rec	1	2/18/2022 10:41:47 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/19/2022 2:39:46 AM	65590
Surr: BFB	103	70-130		%Rec	1	2/19/2022 2:39:46 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/19/2022 2:39:46 AM	65590
Toluene	ND	0.050		mg/Kg	1	2/19/2022 2:39:46 AM	65590
Ethylbenzene	ND	0.050		mg/Kg	1	2/19/2022 2:39:46 AM	65590
Xylenes, Total	ND	0.099		mg/Kg	1	2/19/2022 2:39:46 AM	65590
Surr: 4-Bromofluorobenzene	98.9	70-130		%Rec	1	2/19/2022 2:39:46 AM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-64

Project: Jackson AT Battery

Collection Date: 2/14/2022 11:20:00 AM

Lab ID: 2202760-026

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3400	150		mg/Kg	50	2/23/2022 11:01:15 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/18/2022 10:52:19 PM	65609
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/18/2022 10:52:19 PM	65609
Surr: DNOP	85.6	51.1-141		%Rec	1	2/18/2022 10:52:19 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/19/2022 3:02:59 AM	65590
Surr: BFB	104	70-130		%Rec	1	2/19/2022 3:02:59 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/19/2022 3:02:59 AM	65590
Toluene	ND	0.049		mg/Kg	1	2/19/2022 3:02:59 AM	65590
Ethylbenzene	ND	0.049		mg/Kg	1	2/19/2022 3:02:59 AM	65590
Xylenes, Total	ND	0.098		mg/Kg	1	2/19/2022 3:02:59 AM	65590
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	2/19/2022 3:02:59 AM	65590

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-65

Project: Jackson AT Battery

Collection Date: 2/14/2022 11:25:00 AM

Lab ID: 2202760-027

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3300	150		mg/Kg	50	2/23/2022 11:13:39 AM	65716
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/18/2022 11:02:49 PM	65609
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/18/2022 11:02:49 PM	65609
Surr: DNOP	114	51.1-141		%Rec	1	2/18/2022 11:02:49 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/19/2022 3:26:07 AM	65590
Surr: BFB	103	70-130		%Rec	1	2/19/2022 3:26:07 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 3:26:07 AM	65590
Toluene	ND	0.048		mg/Kg	1	2/19/2022 3:26:07 AM	65590
Ethylbenzene	ND	0.048		mg/Kg	1	2/19/2022 3:26:07 AM	65590
Xylenes, Total	ND	0.095		mg/Kg	1	2/19/2022 3:26:07 AM	65590
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	1	2/19/2022 3:26:07 AM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-66

Project: Jackson AT Battery

Collection Date: 2/14/2022 11:30:00 AM

Lab ID: 2202760-028

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	4900	150		mg/Kg	50	2/23/2022 11:26:04 AM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/18/2022 11:13:22 PM	65609
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/18/2022 11:13:22 PM	65609
Surr: DNOP	118	51.1-141		%Rec	1	2/18/2022 11:13:22 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/19/2022 3:49:12 AM	65590
Surr: BFB	104	70-130		%Rec	1	2/19/2022 3:49:12 AM	65590
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 3:49:12 AM	65590
Toluene	ND	0.048		mg/Kg	1	2/19/2022 3:49:12 AM	65590
Ethylbenzene	ND	0.048		mg/Kg	1	2/19/2022 3:49:12 AM	65590
Xylenes, Total	ND	0.096		mg/Kg	1	2/19/2022 3:49:12 AM	65590
Surr: 4-Bromofluorobenzene	99.8	70-130		%Rec	1	2/19/2022 3:49:12 AM	65590

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-67

Project: Jackson AT Battery

Collection Date: 2/14/2022 11:35:00 AM

Lab ID: 2202760-029

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	5100	150		mg/Kg	50	2/23/2022 11:38:28 AM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/18/2022 11:23:56 PM	65609
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/18/2022 11:23:56 PM	65609
Surr: DNOP	106	51.1-141		%Rec	1	2/18/2022 11:23:56 PM	65609
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/19/2022 4:58:26 AM	65592
Surr: BFB	106	70-130		%Rec	1	2/19/2022 4:58:26 AM	65592
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/19/2022 4:58:26 AM	65592
Toluene	ND	0.050		mg/Kg	1	2/19/2022 4:58:26 AM	65592
Ethylbenzene	ND	0.050		mg/Kg	1	2/19/2022 4:58:26 AM	65592
Xylenes, Total	ND	0.099		mg/Kg	1	2/19/2022 4:58:26 AM	65592
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/19/2022 4:58:26 AM	65592

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-10

Project: Jackson AT Battery

Collection Date: 2/14/2022 1:00:00 PM

Lab ID: 2202760-030

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	160	60		mg/Kg	20	2/22/2022 4:08:03 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/18/2022 10:09:51 PM	65613
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/18/2022 10:09:51 PM	65613
Surr: DNOP	55.0	51.1-141		%Rec	1	2/18/2022 10:09:51 PM	65613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/19/2022 6:07:37 AM	65592
Surr: BFB	99.7	70-130		%Rec	1	2/19/2022 6:07:37 AM	65592
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 6:07:37 AM	65592
Toluene	ND	0.049		mg/Kg	1	2/19/2022 6:07:37 AM	65592
Ethylbenzene	ND	0.049		mg/Kg	1	2/19/2022 6:07:37 AM	65592
Xylenes, Total	ND	0.098		mg/Kg	1	2/19/2022 6:07:37 AM	65592
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	2/19/2022 6:07:37 AM	65592

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-11

Project: Jackson AT Battery

Collection Date: 2/14/2022 1:05:00 PM

Lab ID: 2202760-031

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	230	61		mg/Kg	20	2/22/2022 4:20:24 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	2/21/2022 4:48:53 PM	65613
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/21/2022 4:48:53 PM	65613
Surr: DNOP	93.9	51.1-141		%Rec	1	2/21/2022 4:48:53 PM	65613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/19/2022 8:25:40 AM	65592
Surr: BFB	105	70-130		%Rec	1	2/19/2022 8:25:40 AM	65592
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 8:25:40 AM	65592
Toluene	ND	0.049		mg/Kg	1	2/19/2022 8:25:40 AM	65592
Ethylbenzene	ND	0.049		mg/Kg	1	2/19/2022 8:25:40 AM	65592
Xylenes, Total	ND	0.098		mg/Kg	1	2/19/2022 8:25:40 AM	65592
Surr: 4-Bromofluorobenzene	95.8	70-130		%Rec	1	2/19/2022 8:25:40 AM	65592

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-12

Project: Jackson AT Battery

Collection Date: 2/14/2022 1:10:00 PM

Lab ID: 2202760-032

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	ND	61		mg/Kg	20	2/22/2022 4:32:45 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/21/2022 5:13:14 PM	65613
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/21/2022 5:13:14 PM	65613
Surr: DNOP	91.3	51.1-141		%Rec	1	2/21/2022 5:13:14 PM	65613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/19/2022 8:48:45 AM	65592
Surr: BFB	101	70-130		%Rec	1	2/19/2022 8:48:45 AM	65592
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 8:48:45 AM	65592
Toluene	ND	0.047		mg/Kg	1	2/19/2022 8:48:45 AM	65592
Ethylbenzene	ND	0.047		mg/Kg	1	2/19/2022 8:48:45 AM	65592
Xylenes, Total	ND	0.095		mg/Kg	1	2/19/2022 8:48:45 AM	65592
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	2/19/2022 8:48:45 AM	65592

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-13

Project: Jackson AT Battery

Collection Date: 2/14/2022 1:15:00 PM

Lab ID: 2202760-033

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	300	60		mg/Kg	20	2/22/2022 4:45:06 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/21/2022 5:37:35 PM	65613
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/21/2022 5:37:35 PM	65613
Surr: DNOP	84.0	51.1-141		%Rec	1	2/21/2022 5:37:35 PM	65613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/19/2022 9:11:57 AM	65592
Surr: BFB	103	70-130		%Rec	1	2/19/2022 9:11:57 AM	65592
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/19/2022 9:11:57 AM	65592
Toluene	ND	0.050		mg/Kg	1	2/19/2022 9:11:57 AM	65592
Ethylbenzene	ND	0.050		mg/Kg	1	2/19/2022 9:11:57 AM	65592
Xylenes, Total	ND	0.099		mg/Kg	1	2/19/2022 9:11:57 AM	65592
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	2/19/2022 9:11:57 AM	65592

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-14

Project: Jackson AT Battery

Collection Date: 2/14/2022 1:20:00 PM

Lab ID: 2202760-034

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	390	60		mg/Kg	20	2/22/2022 4:57:26 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/21/2022 6:01:51 PM	65613
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/21/2022 6:01:51 PM	65613
Surr: DNOP	97.0	51.1-141		%Rec	1	2/21/2022 6:01:51 PM	65613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/19/2022 9:35:10 AM	65592
Surr: BFB	103	70-130		%Rec	1	2/19/2022 9:35:10 AM	65592
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 9:35:10 AM	65592
Toluene	ND	0.048		mg/Kg	1	2/19/2022 9:35:10 AM	65592
Ethylbenzene	ND	0.048		mg/Kg	1	2/19/2022 9:35:10 AM	65592
Xylenes, Total	ND	0.097		mg/Kg	1	2/19/2022 9:35:10 AM	65592
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	1	2/19/2022 9:35:10 AM	65592

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-15

Project: Jackson AT Battery

Collection Date: 2/14/2022 1:40:00 PM

Lab ID: 2202760-035

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	220	60		mg/Kg	20	2/22/2022 5:09:48 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/21/2022 6:26:04 PM	65613
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/21/2022 6:26:04 PM	65613
Surr: DNOP	113	51.1-141		%Rec	1	2/21/2022 6:26:04 PM	65613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/19/2022 9:58:27 AM	65592
Surr: BFB	103	70-130		%Rec	1	2/19/2022 9:58:27 AM	65592
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 9:58:27 AM	65592
Toluene	ND	0.048		mg/Kg	1	2/19/2022 9:58:27 AM	65592
Ethylbenzene	ND	0.048		mg/Kg	1	2/19/2022 9:58:27 AM	65592
Xylenes, Total	ND	0.097		mg/Kg	1	2/19/2022 9:58:27 AM	65592
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/19/2022 9:58:27 AM	65592

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

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

Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-16

Project: Jackson AT Battery

Collection Date: 2/14/2022 1:50:00 PM

Lab ID: 2202760-036

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	360	60		mg/Kg	20	2/22/2022 5:22:09 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/21/2022 6:50:14 PM	65613
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/21/2022 6:50:14 PM	65613
Surr: DNOP	103	51.1-141		%Rec	1	2/21/2022 6:50:14 PM	65613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/19/2022 10:21:41 AM	65592
Surr: BFB	104	70-130		%Rec	1	2/19/2022 10:21:41 AM	65592
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/19/2022 10:21:41 AM	65592
Toluene	ND	0.048		mg/Kg	1	2/19/2022 10:21:41 AM	65592
Ethylbenzene	ND	0.048		mg/Kg	1	2/19/2022 10:21:41 AM	65592
Xylenes, Total	ND	0.097		mg/Kg	1	2/19/2022 10:21:41 AM	65592
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	2/19/2022 10:21:41 AM	65592

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

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

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Analytical Report

Lab Order 2202760

Date Reported: 2/28/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-68

Project: Jackson AT Battery

Collection Date: 2/14/2022 2:10:00 PM

Lab ID: 2202760-037

Matrix: SOIL

Received Date: 2/16/2022 8:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	440	60		mg/Kg	20	2/22/2022 5:34:30 PM	65730
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/21/2022 7:14:22 PM	65613
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/21/2022 7:14:22 PM	65613
Surr: DNOP	114	51.1-141		%Rec	1	2/21/2022 7:14:22 PM	65613
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/19/2022 10:45:01 AM	65592
Surr: BFB	121	70-130		%Rec	1	2/19/2022 10:45:01 AM	65592
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/19/2022 10:45:01 AM	65592
Toluene	ND	0.049		mg/Kg	1	2/19/2022 10:45:01 AM	65592
Ethylbenzene	ND	0.049		mg/Kg	1	2/19/2022 10:45:01 AM	65592
Xylenes, Total	ND	0.098		mg/Kg	1	2/19/2022 10:45:01 AM	65592
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	2/19/2022 10:45:01 AM	65592

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

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

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

WO#: 2202760

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65701	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65701	RunNo: 85979								
Prep Date: 2/21/2022	Analysis Date: 2/21/2022	SeqNo: 3028773 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65701	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65701	RunNo: 85979								
Prep Date: 2/21/2022	Analysis Date: 2/21/2022	SeqNo: 3028774 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.3	90	110			

Sample ID: MB-65730	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65730	RunNo: 85991								
Prep Date: 2/22/2022	Analysis Date: 2/22/2022	SeqNo: 3030541 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65730	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65730	RunNo: 85991								
Prep Date: 2/22/2022	Analysis Date: 2/22/2022	SeqNo: 3030542 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	98.2	90	110			

Sample ID: MB-65716	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65716	RunNo: 85985								
Prep Date: 2/22/2022	Analysis Date: 2/22/2022	SeqNo: 3030605 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65716	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65716	RunNo: 85985								
Prep Date: 2/22/2022	Analysis Date: 2/22/2022	SeqNo: 3030606 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.8	90	110			

Qualifiers:

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

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

WO#: 2202760

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202760-010AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-48	Batch ID: 65609	RunNo: 85938								
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026721 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.6	48.12	0	101	39.3	155			
Surr: DNOP	4.5		4.812		93.5	51.1	141			

Sample ID: 2202760-010AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-48	Batch ID: 65609	RunNo: 85938								
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026722 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	62	9.2	45.79	0	136	39.3	155	24.9	23.4	R
Surr: DNOP	6.7		4.579		146	51.1	141	0	0	S

Sample ID: LCS-65607	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65607	RunNo: 85938								
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026747 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	68.9	135			
Surr: DNOP	4.4		5.000		87.3	51.1	141			

Sample ID: LCS-65609	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65609	RunNo: 85938								
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026748 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	68.9	135			
Surr: DNOP	4.9		5.000		98.0	51.1	141			

Sample ID: LCS-65613	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65613	RunNo: 85938								
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026749 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.7	68.9	135			
Surr: DNOP	4.4		5.000		88.8	51.1	141			

Sample ID: MB-65607	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65607	RunNo: 85938								
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026753 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

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

WO#: 2202760

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65607	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65607	RunNo: 85938								
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026753 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		88.8	51.1	141			

Sample ID: MB-65609	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65609	RunNo: 85938								
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026754 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	51.1	141			

Sample ID: MB-65613	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65613	RunNo: 85938								
Prep Date: 2/17/2022	Analysis Date: 2/18/2022	SeqNo: 3026755 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	51.1	141			

Sample ID: 2202760-030AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-10	Batch ID: 65613	RunNo: 85936								
Prep Date: 2/17/2022	Analysis Date: 2/19/2022	SeqNo: 3026763 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	9.6	47.76	0	79.3	39.3	155			
Surr: DNOP	2.2		4.776		46.6	51.1	141			S

Sample ID: 2202760-030AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-10	Batch ID: 65613	RunNo: 85936								
Prep Date: 2/17/2022	Analysis Date: 2/19/2022	SeqNo: 3026764 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	37	9.5	47.71	0	77.0	39.3	155	3.06	23.4	
Surr: DNOP	2.0		4.771		42.4	51.1	141	0	0	S

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202760

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65706	SampType: LCS		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: LCSS	Batch ID: 65706		RunNo: 85993							
Prep Date: 2/22/2022	Analysis Date: 2/22/2022		SeqNo: 3030889		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.2		5.000		103	51.1	141			

Sample ID: MB-65706	SampType: MBLK		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: PBS	Batch ID: 65706		RunNo: 85993							
Prep Date: 2/22/2022	Analysis Date: 2/22/2022		SeqNo: 3030892		Units: %Rec					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	11		10.00		115	51.1	141			

Qualifiers:

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

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

WO#: 2202760

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65590	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65590	RunNo: 85912								
Prep Date: 2/16/2022	Analysis Date: 2/18/2022	SeqNo: 3025287 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	70	130			

Sample ID: lcs-65590	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65590	RunNo: 85912								
Prep Date: 2/16/2022	Analysis Date: 2/18/2022	SeqNo: 3025288 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	94.5	78.6	131			
Surr: BFB	1200		1000		116	70	130			

Sample ID: 2202760-010ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-48	Batch ID: 65590	RunNo: 85912								
Prep Date: 2/16/2022	Analysis Date: 2/18/2022	SeqNo: 3025290 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.37	0	103	70	130			
Surr: BFB	1200		974.7		120	70	130			

Sample ID: 2202760-010amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-48	Batch ID: 65590	RunNo: 85912								
Prep Date: 2/16/2022	Analysis Date: 2/18/2022	SeqNo: 3025291 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	4.9	24.51	0	105	70	130	2.63	20	
Surr: BFB	1200		980.4		117	70	130	0	0	

Sample ID: lcs-65588	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65588	RunNo: 85917								
Prep Date: 2/16/2022	Analysis Date: 2/17/2022	SeqNo: 3025624 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	78.6	131			
Surr: BFB	1100		1000		107	70	130			

Sample ID: mb-65588	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65588	RunNo: 85917								
Prep Date: 2/16/2022	Analysis Date: 2/17/2022	SeqNo: 3025625 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

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

WO#: 2202760

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65588	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65588			RunNo: 85917						
Prep Date: 2/16/2022	Analysis Date: 2/17/2022			SeqNo: 3025625		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.6	70	130			

Sample ID: mb-65592	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65592			RunNo: 85929						
Prep Date: 2/16/2022	Analysis Date: 2/19/2022			SeqNo: 3026896		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

Sample ID: lcs-65592	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65592			RunNo: 85929						
Prep Date: 2/16/2022	Analysis Date: 2/19/2022			SeqNo: 3026897		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	92.4	78.6	131			
Surr: BFB	1200		1000		115	70	130			

Sample ID: 2202760-029ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH-67	Batch ID: 65592			RunNo: 85929						
Prep Date: 2/16/2022	Analysis Date: 2/19/2022			SeqNo: 3026899		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	24.88	0	93.1	70	130			
Surr: BFB	1100		995.0		113	70	130			

Sample ID: 2202760-029amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH-67	Batch ID: 65592			RunNo: 85929						
Prep Date: 2/16/2022	Analysis Date: 2/19/2022			SeqNo: 3026900		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.7	23.67	0	92.4	70	130	5.68	20	
Surr: BFB	1100		947.0		112	70	130	0	0	

Qualifiers:

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

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

WO#: 2202760

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65590	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65590	RunNo: 85912								
Prep Date: 2/16/2022	Analysis Date: 2/18/2022	SeqNo: 3025336 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.2	70	130			

Sample ID: LCS-65590	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65590	RunNo: 85912								
Prep Date: 2/16/2022	Analysis Date: 2/18/2022	SeqNo: 3025337 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.4	80	120			
Toluene	0.95	0.050	1.000	0	95.4	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: lcs-65588	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65588	RunNo: 85917								
Prep Date: 2/16/2022	Analysis Date: 2/17/2022	SeqNo: 3025677 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.3	80	120			
Toluene	0.95	0.050	1.000	0	95.3	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.5	80	120			
Surr: 4-Bromofluorobenzene	0.82		1.000		82.2	70	130			

Sample ID: mb-65588	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65588	RunNo: 85917								
Prep Date: 2/16/2022	Analysis Date: 2/17/2022	SeqNo: 3025678 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		83.6	70	130			

Qualifiers:

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

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

WO#: 2202760

28-Feb-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65592	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65592	RunNo: 85929								
Prep Date: 2/16/2022	Analysis Date: 2/19/2022	SeqNo: 3026953 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.0	70	130			

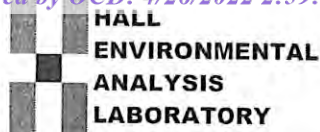
Sample ID: LCS-65592	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65592	RunNo: 85929								
Prep Date: 2/16/2022	Analysis Date: 2/19/2022	SeqNo: 3026954 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.7	80	120			
Toluene	0.93	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	93.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.9	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		99.6	70	130			

Sample ID: 2202760-030ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: SW-10	Batch ID: 65592	RunNo: 85929								
Prep Date: 2/16/2022	Analysis Date: 2/19/2022	SeqNo: 3026957 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.024	0.9588	0	93.2	80	120			
Toluene	0.96	0.048	0.9588	0	100	80	120			
Ethylbenzene	0.96	0.048	0.9588	0	101	80	120			
Xylenes, Total	2.9	0.096	2.876	0	99.3	80	120			
Surr: 4-Bromofluorobenzene	0.94		0.9588		98.1	70	130			

Sample ID: 2202760-030amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: SW-10	Batch ID: 65592	RunNo: 85929								
Prep Date: 2/16/2022	Analysis Date: 2/19/2022	SeqNo: 3026958 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.024	0.9461	0	93.3	80	120	1.24	20	
Toluene	0.94	0.047	0.9461	0	99.4	80	120	1.94	20	
Ethylbenzene	0.95	0.047	0.9461	0	101	80	120	0.966	20	
Xylenes, Total	2.8	0.095	2.838	0	100	80	120	0.591	20	
Surr: 4-Bromofluorobenzene	0.93		0.9461		97.8	70	130	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2202760

RcptNo: 1

Received By: Cheyenne Cason

2/16/2022 8:05:00 AM

Completed By: Sean Livingston

2/16/2022 8:19:32 AM

Reviewed By:

WPH 2/16/22

Cason

Sean Livingston

Chain of Custody1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐

2. How was the sample delivered? Courier

Log In3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐5. Sample(s) in proper container(s)? Yes ☒ No ☐6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒10. Were any sample containers received broken? Yes ☐ No ☒11. Does paperwork match bottle labels? Yes ☒ No ☐

(Note discrepancies on chain of custody)

12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐13. Is it clear what analyses were requested? Yes ☒ No ☐14. Were all holding times able to be met? Yes ☒ No ☐

(If no, notify customer for authorization.)

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: JN 2/16/22

Special Handling (if applicable)15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good				

Chain-of-Custody Record

Client: BHD

Mailing Address: on file

Phone #: /

email or Fax#: /

QA/QC Package: ☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other ☐ EDD (Type) /

Turn-Around Time: ☒ Standard ☒ Rush 5 day

Project Name: Jackson AT Battery

Project #: 11229324

Project Manager: Becky Haskieil

Sampler: Tom Larson

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CP): 1.1 - 0.1 - 1.0 (°C)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
2/14/22	9:30	soil	BH 51	Any jar	ice	013
	9:35		BH 52			014
	9:40		BH 53			015
	10:00		BH 54			016
	10:05		BH 55			017
	10:10		BH 56			018
	10:15		BH 57			019
	10:20		BH 58			020
	10:40		BH 59			021
	10:45		BH 60			022
	10:50		BH 61			023
	10:55		BH 62			024
Date:	Time:	Relinquished by: <u>2/16/22</u>				
Date:	Time:	Relinquished by: <u>2/15/22 1900</u>				

Analysis Request

BTEX / MTBE / TMBs (8021)	X
TPH:8015D(GRO / DRO / MRO)	X
8081 Pesticides/8082 PCBs	
EDB (Method 504.1)	
PAHs by 8310 or 8270SIMS	
RCRA 8 Metals	
Cl, F, Br, NO ₃ , NO ₂ , PO ₄ , SO ₄	X
8260 (VOA)	
8270 (Semi-VOA)	
Total Coliform (Present/Absent)	

Remarks:

Please email Chase - Little C@egresources.com
 TOM. Larson C ghd.com zach.cominoc ghd.com
 Direct Bill to: Matthew.Laughlin@eghd.com

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Jackson AT Battery

Project #:

11229324

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CF): 1.1 - 0.1 = 1.0

Container Type and #

Preservative Type

HEAL No.

Date Time Matrix Sample Name

04/14/22 1100 S BH-63 075

1120 BH-64 026

1125 BH-65 027

1130 BH-66 028

1135 BH-67 029

1300 SW-10 030

1305 SW-11 031

1310 SW-12 032

1315 SW-13 033

1320 SW-14 034

1340 SW-15 035

1350 SW-16 036

Date: 02/15/22 0800

Date: 2/15/22 0800

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Date: 2/15/22 0800

Date: 2/15/22 1900

Relinquished by:

Relinquished by:

Relinquished by:



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

March 01, 2022

Becky Haskell

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX

RE: Jackson AT Battery

OrderNo.: 2202832

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 14 sample(s) on 2/17/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-69

Project: Jackson AT Battery

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

Lab ID: 2202832-001

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2200	150		mg/Kg	50	2/24/2022 8:59:17 AM	65769
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	2/22/2022 5:59:30 PM	65645
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/22/2022 5:59:30 PM	65645
Surr: DNOP	172	51.1-141	S	%Rec	1	2/22/2022 5:59:30 PM	65645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Surr: BFB	99.0	70-130		%Rec	1	2/20/2022 3:24:00 AM	65635
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Toluene	ND	0.046		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Ethylbenzene	ND	0.046		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Xylenes, Total	ND	0.092		mg/Kg	1	2/20/2022 3:24:00 AM	65635
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	2/20/2022 3:24:00 AM	65635

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-70

Project: Jackson AT Battery

Collection Date: 2/15/2022 8:05:00 AM

Lab ID: 2202832-002

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	60		mg/Kg	20	2/24/2022 2:26:28 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/22/2022 6:24:12 PM	65645
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/22/2022 6:24:12 PM	65645
Surr: DNOP	149	51.1-141	S	%Rec	1	2/22/2022 6:24:12 PM	65645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Surr: BFB	101	70-130		%Rec	1	2/20/2022 3:43:00 AM	65635
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Toluene	ND	0.049		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Ethylbenzene	ND	0.049		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Xylenes, Total	ND	0.098		mg/Kg	1	2/20/2022 3:43:00 AM	65635
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	2/20/2022 3:43:00 AM	65635

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-71

Project: Jackson AT Battery

Collection Date: 2/15/2022 8:10:00 AM

Lab ID: 2202832-003

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2000	150		mg/Kg	50	2/24/2022 9:11:37 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/22/2022 6:48:47 PM	65645
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/22/2022 6:48:47 PM	65645
Surr: DNOP	142	51.1-141	S	%Rec	1	2/22/2022 6:48:47 PM	65645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Surr: BFB	97.8	70-130		%Rec	1	2/20/2022 4:03:00 AM	65635
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Toluene	ND	0.046		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Ethylbenzene	ND	0.046		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Xylenes, Total	ND	0.092		mg/Kg	1	2/20/2022 4:03:00 AM	65635
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	2/20/2022 4:03:00 AM	65635

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-72

Project: Jackson AT Battery

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

Lab ID: 2202832-004

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2600	150		mg/Kg	50	2/24/2022 9:23:58 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/22/2022 7:13:19 PM	65645
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/22/2022 7:13:19 PM	65645
Surr: DNOP	122	51.1-141		%Rec	1	2/22/2022 7:13:19 PM	65645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/20/2022 4:22:00 AM	65635
Surr: BFB	101	70-130		%Rec	1	2/20/2022 4:22:00 AM	65635
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/20/2022 4:22:00 AM	65635
Toluene	ND	0.047		mg/Kg	1	2/20/2022 4:22:00 AM	65635
Ethylbenzene	ND	0.047		mg/Kg	1	2/20/2022 4:22:00 AM	65635
Xylenes, Total	ND	0.094		mg/Kg	1	2/20/2022 4:22:00 AM	65635
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	2/20/2022 4:22:00 AM	65635

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-73

Project: Jackson AT Battery

Collection Date: 2/15/2022 9:00:00 AM

Lab ID: 2202832-005

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	690	60		mg/Kg	20	2/24/2022 3:03:42 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/22/2022 7:37:46 PM	65645
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/22/2022 7:37:46 PM	65645
Surr: DNOP	99.9	51.1-141		%Rec	1	2/22/2022 7:37:46 PM	65645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/20/2022 4:42:00 AM	65635
Surr: BFB	100	70-130		%Rec	1	2/20/2022 4:42:00 AM	65635
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/20/2022 4:42:00 AM	65635
Toluene	ND	0.049		mg/Kg	1	2/20/2022 4:42:00 AM	65635
Ethylbenzene	ND	0.049		mg/Kg	1	2/20/2022 4:42:00 AM	65635
Xylenes, Total	ND	0.098		mg/Kg	1	2/20/2022 4:42:00 AM	65635
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	2/20/2022 4:42:00 AM	65635

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-74

Project: Jackson AT Battery

Collection Date: 2/15/2022 9:05:00 AM

Lab ID: 2202832-006

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	2100	150		mg/Kg	50	2/24/2022 9:36:18 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/22/2022 8:02:22 PM	65645
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/22/2022 8:02:22 PM	65645
Surr: DNOP	113	51.1-141		%Rec	1	2/22/2022 8:02:22 PM	65645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/20/2022 5:01:00 AM	65635
Surr: BFB	98.6	70-130		%Rec	1	2/20/2022 5:01:00 AM	65635
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/20/2022 5:01:00 AM	65635
Toluene	ND	0.050		mg/Kg	1	2/20/2022 5:01:00 AM	65635
Ethylbenzene	ND	0.050		mg/Kg	1	2/20/2022 5:01:00 AM	65635
Xylenes, Total	ND	0.099		mg/Kg	1	2/20/2022 5:01:00 AM	65635
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	2/20/2022 5:01:00 AM	65635

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-75

Project: Jackson AT Battery

Collection Date: 2/15/2022 9:10:00 AM

Lab ID: 2202832-007

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1800	60		mg/Kg	20	2/24/2022 3:53:21 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/22/2022 8:26:53 PM	65645
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/22/2022 8:26:53 PM	65645
Surr: DNOP	95.6	51.1-141		%Rec	1	2/22/2022 8:26:53 PM	65645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/20/2022 5:20:00 AM	65635
Surr: BFB	100	70-130		%Rec	1	2/20/2022 5:20:00 AM	65635
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/20/2022 5:20:00 AM	65635
Toluene	ND	0.048		mg/Kg	1	2/20/2022 5:20:00 AM	65635
Ethylbenzene	ND	0.048		mg/Kg	1	2/20/2022 5:20:00 AM	65635
Xylenes, Total	ND	0.096		mg/Kg	1	2/20/2022 5:20:00 AM	65635
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	2/20/2022 5:20:00 AM	65635

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-76

Project: Jackson AT Battery

Collection Date: 2/15/2022 10:15:00 AM

Lab ID: 2202832-008

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	440	61		mg/Kg	20	2/24/2022 4:05:46 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/22/2022 8:51:19 PM	65645
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/22/2022 8:51:19 PM	65645
Surr: DNOP	101	51.1-141		%Rec	1	2/22/2022 8:51:19 PM	65645
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/20/2022 5:40:00 AM	65635
Surr: BFB	101	70-130		%Rec	1	2/20/2022 5:40:00 AM	65635
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/20/2022 5:40:00 AM	65635
Toluene	ND	0.050		mg/Kg	1	2/20/2022 5:40:00 AM	65635
Ethylbenzene	ND	0.050		mg/Kg	1	2/20/2022 5:40:00 AM	65635
Xylenes, Total	ND	0.099		mg/Kg	1	2/20/2022 5:40:00 AM	65635
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	2/20/2022 5:40:00 AM	65635

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-77

Project: Jackson AT Battery

Collection Date: 2/15/2022 10:20:00 AM

Lab ID: 2202832-009

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1500	60		mg/Kg	20	2/24/2022 4:18:12 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/22/2022 5:10:00 PM	65647
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/22/2022 5:10:00 PM	65647
Surr: DNOP	108	51.1-141		%Rec	1	2/22/2022 5:10:00 PM	65647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/20/2022 7:37:00 AM	65638
Surr: BFB	97.1	70-130		%Rec	1	2/20/2022 7:37:00 AM	65638
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/20/2022 7:37:00 AM	65638
Toluene	ND	0.050		mg/Kg	1	2/20/2022 7:37:00 AM	65638
Ethylbenzene	ND	0.050		mg/Kg	1	2/20/2022 7:37:00 AM	65638
Xylenes, Total	ND	0.099		mg/Kg	1	2/20/2022 7:37:00 AM	65638
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	2/20/2022 7:37:00 AM	65638

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-78

Project: Jackson AT Battery

Collection Date: 2/15/2022 10:25:00 AM

Lab ID: 2202832-010

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	940	60		mg/Kg	20	2/24/2022 4:30:36 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/22/2022 5:25:20 PM	65647
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/22/2022 5:25:20 PM	65647
Surr: DNOP	105	51.1-141		%Rec	1	2/22/2022 5:25:20 PM	65647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/20/2022 8:35:00 AM	65638
Surr: BFB	102	70-130		%Rec	1	2/20/2022 8:35:00 AM	65638
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/20/2022 8:35:00 AM	65638
Toluene	ND	0.050		mg/Kg	1	2/20/2022 8:35:00 AM	65638
Ethylbenzene	ND	0.050		mg/Kg	1	2/20/2022 8:35:00 AM	65638
Xylenes, Total	ND	0.10		mg/Kg	1	2/20/2022 8:35:00 AM	65638
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	2/20/2022 8:35:00 AM	65638

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-79

Project: Jackson AT Battery

Collection Date: 2/15/2022 10:30:00 AM

Lab ID: 2202832-011

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	570	60		mg/Kg	20	2/24/2022 4:43:01 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	2/22/2022 5:40:28 PM	65647
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	2/22/2022 5:40:28 PM	65647
Surr: DNOP	95.9	51.1-141		%Rec	1	2/22/2022 5:40:28 PM	65647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/20/2022 9:33:00 AM	65638
Surr: BFB	104	70-130		%Rec	1	2/20/2022 9:33:00 AM	65638
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/20/2022 9:33:00 AM	65638
Toluene	ND	0.050		mg/Kg	1	2/20/2022 9:33:00 AM	65638
Ethylbenzene	ND	0.050		mg/Kg	1	2/20/2022 9:33:00 AM	65638
Xylenes, Total	ND	0.10		mg/Kg	1	2/20/2022 9:33:00 AM	65638
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	2/20/2022 9:33:00 AM	65638

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-80

Project: Jackson AT Battery

Collection Date: 2/15/2022 10:35:00 AM

Lab ID: 2202832-012

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1300	60		mg/Kg	20	2/24/2022 4:55:26 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/22/2022 5:55:29 PM	65647
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/22/2022 5:55:29 PM	65647
Surr: DNOP	86.4	51.1-141		%Rec	1	2/22/2022 5:55:29 PM	65647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/20/2022 9:53:00 AM	65638
Surr: BFB	111	70-130		%Rec	1	2/20/2022 9:53:00 AM	65638
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/20/2022 9:53:00 AM	65638
Toluene	ND	0.049		mg/Kg	1	2/20/2022 9:53:00 AM	65638
Ethylbenzene	ND	0.049		mg/Kg	1	2/20/2022 9:53:00 AM	65638
Xylenes, Total	ND	0.098		mg/Kg	1	2/20/2022 9:53:00 AM	65638
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	2/20/2022 9:53:00 AM	65638

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: SW-17

Project: Jackson AT Battery

Collection Date: 2/15/2022 1:00:00 PM

Lab ID: 2202832-013

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	130	60		mg/Kg	20	2/24/2022 5:07:51 AM	65772
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	20	9.6		mg/Kg	1	2/22/2022 6:10:28 PM	65647
Motor Oil Range Organics (MRO)	78	48		mg/Kg	1	2/22/2022 6:10:28 PM	65647
Surr: DNOP	75.3	51.1-141		%Rec	1	2/22/2022 6:10:28 PM	65647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/20/2022 10:12:00 AM	65638
Surr: BFB	105	70-130		%Rec	1	2/20/2022 10:12:00 AM	65638
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/20/2022 10:12:00 AM	65638
Toluene	ND	0.050		mg/Kg	1	2/20/2022 10:12:00 AM	65638
Ethylbenzene	ND	0.050		mg/Kg	1	2/20/2022 10:12:00 AM	65638
Xylenes, Total	ND	0.10		mg/Kg	1	2/20/2022 10:12:00 AM	65638
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	1	2/20/2022 10:12:00 AM	65638

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

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

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Analytical Report

Lab Order 2202832

Date Reported: 3/1/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: SW-18

Project: Jackson AT Battery

Collection Date: 2/15/2022 1:30:00 PM

Lab ID: 2202832-014

Matrix: SOIL

Received Date: 2/17/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	290	60		mg/Kg	20	2/24/2022 10:13:20 AM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/22/2022 6:40:23 PM	65647
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/22/2022 6:40:23 PM	65647
Surr: DNOP	81.2	51.1-141		%Rec	1	2/22/2022 6:40:23 PM	65647
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/20/2022 10:32:00 AM	65638
Surr: BFB	108	70-130		%Rec	1	2/20/2022 10:32:00 AM	65638
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/20/2022 10:32:00 AM	65638
Toluene	ND	0.049		mg/Kg	1	2/20/2022 10:32:00 AM	65638
Ethylbenzene	ND	0.049		mg/Kg	1	2/20/2022 10:32:00 AM	65638
Xylenes, Total	ND	0.099		mg/Kg	1	2/20/2022 10:32:00 AM	65638
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	2/20/2022 10:32:00 AM	65638

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

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

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

WO#: 2202832

01-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: MB-65769	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65769	RunNo: 86027								
Prep Date: 2/23/2022	Analysis Date: 2/23/2022	SeqNo: 3032376 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65769	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65769	RunNo: 86027								
Prep Date: 2/23/2022	Analysis Date: 2/23/2022	SeqNo: 3032377 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.2	90	110			

Sample ID: MB-65772	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65772	RunNo: 86027								
Prep Date: 2/23/2022	Analysis Date: 2/24/2022	SeqNo: 3032421 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65772	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65772	RunNo: 86027								
Prep Date: 2/23/2022	Analysis Date: 2/24/2022	SeqNo: 3032422 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	99.5	90	110			

Sample ID: MB-65779	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65779	RunNo: 86060								
Prep Date: 2/24/2022	Analysis Date: 2/24/2022	SeqNo: 3033158 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65779	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65779	RunNo: 86060								
Prep Date: 2/24/2022	Analysis Date: 2/24/2022	SeqNo: 3033159 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.2	90	110			

Qualifiers:

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

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

WO#: 2202832

01-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: MB-65647	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65647	RunNo: 85962								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028710 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	14		10.00		143	51.1	141			S

Sample ID: LCS-65647	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65647	RunNo: 85962								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028712 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	60	10	50.00	0	119	68.9	135			
Surr: DNOP	6.5		5.000		130	51.1	141			

Sample ID: MB-65645	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65645	RunNo: 85962								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028713 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	14		10.00		141	51.1	141			

Sample ID: LCS-65645	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65645	RunNo: 85962								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028714 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	107	68.9	135			
Surr: DNOP	5.8		5.000		116	51.1	141			

Qualifiers:

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

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

WO#: 2202832

01-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: lcs-65635	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65635			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/19/2022			SeqNo: 3027165		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1200		1000		117	70	130			

Sample ID: mb-65635	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65635			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/19/2022			SeqNo: 3027166		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	70	130			

Sample ID: lcs-65638	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65638			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/20/2022			SeqNo: 3027189		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.6	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: mb-65638	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65638			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/20/2022			SeqNo: 3027190		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: 2202832-009AMS	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH-77	Batch ID: 65638			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/20/2022			SeqNo: 3027192		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.73	0	100	70	130			
Surr: BFB	1200		989.1		117	70	130			

Sample ID: 2202832-009AMSD	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH-77	Batch ID: 65638			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/20/2022			SeqNo: 3027193		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202832

01-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: 2202832-009AMSD		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH-77		Batch ID: 65638		RunNo: 85948						
Prep Date: 2/17/2022		Analysis Date: 2/20/2022		SeqNo: 3027193		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.49	0	98.6	70	130	2.43	20	
Surr: BFB	1200		979.4		119	70	130	0	0	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2202832

01-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: lcs-65635	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65635			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/19/2022			SeqNo: 3027231		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	96.5	80	120			
Toluene	0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.5	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.7	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		92.9	70	130			

Sample ID: mb-65635	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65635			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/19/2022			SeqNo: 3027232		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		88.2	70	130			

Sample ID: lcs-65638	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65638			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/20/2022			SeqNo: 3027255		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	90.6	80	120			
Toluene	0.93	0.050	1.000	0	93.0	80	120			
Ethylbenzene	0.92	0.050	1.000	0	92.3	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.8	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		88.5	70	130			

Sample ID: mb-65638	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65638			RunNo: 85948						
Prep Date: 2/17/2022	Analysis Date: 2/20/2022			SeqNo: 3027256		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.6	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202832

01-Mar-22

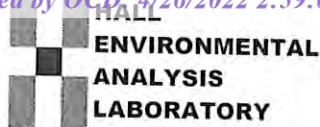
Client: GHD
Project: Jackson AT Battery

Sample ID: 2202832-010ams		SampType: MS			TestCode: EPA Method 8021B: Volatiles					
Client ID: BH-78		Batch ID: 65638			RunNo: 85977					
Prep Date: 2/17/2022		Analysis Date: 2/21/2022			SeqNo: 3028648		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.024	0.9785	0	88.3	80	120			
Toluene	0.92	0.049	0.9785	0	93.7	80	120			
Ethylbenzene	0.94	0.049	0.9785	0	96.2	80	120			
Xylenes, Total	2.8	0.098	2.935	0	96.7	80	120			
Surr: 4-Bromofluorobenzene	0.91		0.9785		93.2	70	130			

Qualifiers:

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

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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: 2202832

RcptNo: 1

Received By: Cheyenne Cason

2/17/2022 8:00:00 AM

CC

Completed By: Cheyenne Cason

2/17/2022 8:42:52 AM

*CC*Reviewed By: *CC* 2-17-22Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *CC* 2/17/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.2	Good	Not Present			
2	4.8	Good	Not Present			

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush 5-day

Project Name:

Project #: Jackson AT Battery

Project Manager:

Becky Haskell

Tom Larson

Sampler:

Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 2 1, 2 - 0 = 1, 2

Cooler Temp (including CF): 4, 8 - 0 = 4, 8

Container Type and #

Preservative Type

HEAL No. 2202832

Date Time Matrix Sample Name

02/22/0800 S BH-69

02/25/0805 BH-70

02/26/0810 BH-71

02/27/0815 BH-72

02/28/0900 BH-73

02/29/0905 BH-74

02/30/0910 BH-75

03/01/1015 BH-76

03/02/1020 BH-77

03/03/1025 BH-78

03/04/1030 BH-79

03/05/1035 BH-80

Date: Time: Relinquished by:

02/22/0800 Zach Comino

02/25/0805 Zach Comino

02/26/0810 Zach Comino

02/27/0815 Zach Comino

02/28/0900 Zach Comino

02/29/0905 Zach Comino

02/30/0910 Zach Comino

03/01/1015 Zach Comino

03/02/1020 Zach Comino

03/03/1025 Zach Comino

Analysis Request

Total Coliform (Present/Absent)

8270 (Semi-VOA)

8260 (VOA)

Cl, F, Br, NO₃, NO₂, PO₄, SO₄

RCRA 8 Metals

PAHs by 8310 or 8270SIMS

EDB (Method 504.1)

8081 Pesticides/8082 PCB's

(PH:8015D(GRO/DRY/MRO)

BTEX / MTBE / TMB's (8021)

Remarks: Please email: Chase_Settle@eogresources.com;

Tom.Larson@ghd.com; Zach.Comino@ghd.com

Matthew.Laughlin@ghd.com: Along with Becky Haskell

listed above.

Direct Bill to EOG Chase Settle

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 noted on the analytical report.



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

March 04, 2022

Tom Larson
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX:

RE: Jackson AT Battery

OrderNo.: 2202901

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 20 sample(s) on 2/18/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-81

Project: Jackson AT Battery

Collection Date: 2/16/2022 8:00:00 AM

Lab ID: 2202901-001

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1000	60		mg/Kg	20	2/24/2022 11:57:20 AM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/22/2022 11:41:29 PM	65661
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/22/2022 11:41:29 PM	65661
Surr: DNOP	82.8	51.1-141		%Rec	1	2/22/2022 11:41:29 PM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 1:44:00 PM	65656
Surr: BFB	101	70-130		%Rec	1	2/21/2022 1:44:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 1:44:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 1:44:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 1:44:00 PM	65656
Xylenes, Total	ND	0.099		mg/Kg	1	2/21/2022 1:44:00 PM	65656
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	2/21/2022 1:44:00 PM	65656

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

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

Hall Environmental Analysis Laboratory, Inc.

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

CLIENT: GHD Midland

Client Sample ID: BH-82

Project: Jackson AT Battery

Collection Date: 2/16/2022 8:05:00 AM

Lab ID: 2202901-002

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1500	60		mg/Kg	20	2/24/2022 12:34:23 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/23/2022 12:05:39 AM	65661
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 12:05:39 AM	65661
Surr: DNOP	82.6	51.1-141		%Rec	1	2/23/2022 12:05:39 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2022 2:03:00 PM	65656
Surr: BFB	107	70-130		%Rec	1	2/21/2022 2:03:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 2:03:00 PM	65656
Toluene	ND	0.050		mg/Kg	1	2/21/2022 2:03:00 PM	65656
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2022 2:03:00 PM	65656
Xylenes, Total	ND	0.10		mg/Kg	1	2/21/2022 2:03:00 PM	65656
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	2/21/2022 2:03:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-83

Project: Jackson AT Battery

Collection Date: 2/16/2022 8:10:00 AM

Lab ID: 2202901-003

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1500	60		mg/Kg	20	2/24/2022 12:46:44 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/23/2022 12:29:47 AM	65661
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 12:29:47 AM	65661
Surr: DNOP	98.0	51.1-141		%Rec	1	2/23/2022 12:29:47 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 2:23:00 PM	65656
Surr: BFB	108	70-130		%Rec	1	2/21/2022 2:23:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 2:23:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 2:23:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 2:23:00 PM	65656
Xylenes, Total	ND	0.098		mg/Kg	1	2/21/2022 2:23:00 PM	65656
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	2/21/2022 2:23:00 PM	65656

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

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

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Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-84

Project: Jackson AT Battery

Collection Date: 2/16/2022 8:15:00 AM

Lab ID: 2202901-004

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	60		mg/Kg	20	2/24/2022 12:59:04 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	57	9.0		mg/Kg	1	2/23/2022 1:17:55 AM	65661
Motor Oil Range Organics (MRO)	88	45		mg/Kg	1	2/23/2022 1:17:55 AM	65661
Surr: DNOP	74.9	51.1-141		%Rec	1	2/23/2022 1:17:55 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/21/2022 2:43:00 PM	65656
Surr: BFB	101	70-130		%Rec	1	2/21/2022 2:43:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/21/2022 2:43:00 PM	65656
Toluene	ND	0.048		mg/Kg	1	2/21/2022 2:43:00 PM	65656
Ethylbenzene	ND	0.048		mg/Kg	1	2/21/2022 2:43:00 PM	65656
Xylenes, Total	ND	0.096		mg/Kg	1	2/21/2022 2:43:00 PM	65656
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	2/21/2022 2:43:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-85

Project: Jackson AT Battery

Collection Date: 2/16/2022 8:20:00 AM

Lab ID: 2202901-005

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2400	150		mg/Kg	50	2/28/2022 12:34:47 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	93	48		mg/Kg	5	2/23/2022 1:41:51 AM	65661
Motor Oil Range Organics (MRO)	ND	240		mg/Kg	5	2/23/2022 1:41:51 AM	65661
Surr: DNOP	106	51.1-141		%Rec	5	2/23/2022 1:41:51 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2022 3:03:00 PM	65656
Surr: BFB	106	70-130		%Rec	1	2/21/2022 3:03:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 3:03:00 PM	65656
Toluene	ND	0.050		mg/Kg	1	2/21/2022 3:03:00 PM	65656
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2022 3:03:00 PM	65656
Xylenes, Total	ND	0.099		mg/Kg	1	2/21/2022 3:03:00 PM	65656
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	2/21/2022 3:03:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-86

Project: Jackson AT Battery

Collection Date: 2/16/2022 9:00:00 AM

Lab ID: 2202901-006

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2600	150		mg/Kg	50	2/28/2022 12:47:11 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/23/2022 2:05:35 AM	65661
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 2:05:35 AM	65661
Surr: DNOP	114	51.1-141		%Rec	1	2/23/2022 2:05:35 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2022 3:23:00 PM	65656
Surr: BFB	107	70-130		%Rec	1	2/21/2022 3:23:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 3:23:00 PM	65656
Toluene	ND	0.050		mg/Kg	1	2/21/2022 3:23:00 PM	65656
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2022 3:23:00 PM	65656
Xylenes, Total	ND	0.10		mg/Kg	1	2/21/2022 3:23:00 PM	65656
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	2/21/2022 3:23:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-87

Project: Jackson AT Battery

Collection Date: 2/16/2022 9:05:00 AM

Lab ID: 2202901-007

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3300	150		mg/Kg	50	2/28/2022 12:59:36 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	2/23/2022 2:29:20 AM	65661
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/23/2022 2:29:20 AM	65661
Surr: DNOP	102	51.1-141		%Rec	1	2/23/2022 2:29:20 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2022 3:43:00 PM	65656
Surr: BFB	107	70-130		%Rec	1	2/21/2022 3:43:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 3:43:00 PM	65656
Toluene	ND	0.050		mg/Kg	1	2/21/2022 3:43:00 PM	65656
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2022 3:43:00 PM	65656
Xylenes, Total	ND	0.099		mg/Kg	1	2/21/2022 3:43:00 PM	65656
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	2/21/2022 3:43:00 PM	65656

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

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

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Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-88

Project: Jackson AT Battery

Collection Date: 2/16/2022 9:10:00 AM

Lab ID: 2202901-008

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	59		mg/Kg	20	2/24/2022 2:13:08 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/23/2022 2:53:01 AM	65661
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 2:53:01 AM	65661
Surr: DNOP	116	51.1-141		%Rec	1	2/23/2022 2:53:01 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 4:02:00 PM	65656
Surr: BFB	109	70-130		%Rec	1	2/21/2022 4:02:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 4:02:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 4:02:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 4:02:00 PM	65656
Xylenes, Total	ND	0.099		mg/Kg	1	2/21/2022 4:02:00 PM	65656
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	2/21/2022 4:02:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-89

Project: Jackson AT Battery

Collection Date: 2/16/2022 9:15:00 AM

Lab ID: 2202901-009

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1400	60		mg/Kg	20	2/24/2022 2:25:29 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/23/2022 3:16:39 AM	65661
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2022 3:16:39 AM	65661
Surr: DNOP	97.7	51.1-141		%Rec	1	2/23/2022 3:16:39 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 5:02:00 PM	65656
Surr: BFB	99.8	70-130		%Rec	1	2/21/2022 5:02:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/21/2022 5:02:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 5:02:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 5:02:00 PM	65656
Xylenes, Total	ND	0.098		mg/Kg	1	2/21/2022 5:02:00 PM	65656
Surr: 4-Bromofluorobenzene	85.4	70-130		%Rec	1	2/21/2022 5:02:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-90

Project: Jackson AT Battery

Collection Date: 2/16/2022 9:20:00 AM

Lab ID: 2202901-010

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1300	60		mg/Kg	20	2/24/2022 2:37:49 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	24	9.7		mg/Kg	1	2/23/2022 3:40:12 AM	65661
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/23/2022 3:40:12 AM	65661
Surr: DNOP	102	51.1-141		%Rec	1	2/23/2022 3:40:12 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 5:21:00 PM	65656
Surr: BFB	100	70-130		%Rec	1	2/21/2022 5:21:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 5:21:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 5:21:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 5:21:00 PM	65656
Xylenes, Total	ND	0.099		mg/Kg	1	2/21/2022 5:21:00 PM	65656
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	2/21/2022 5:21:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-91

Project: Jackson AT Battery

Collection Date: 2/16/2022 10:00:00 AM

Lab ID: 2202901-011

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	4300	150		mg/Kg	50	2/28/2022 1:12:01 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	10	9.5		mg/Kg	1	2/23/2022 4:03:46 AM	65661
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/23/2022 4:03:46 AM	65661
Surr: DNOP	102	51.1-141		%Rec	1	2/23/2022 4:03:46 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 5:41:00 PM	65656
Surr: BFB	104	70-130		%Rec	1	2/21/2022 5:41:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/21/2022 5:41:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 5:41:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 5:41:00 PM	65656
Xylenes, Total	ND	0.097		mg/Kg	1	2/21/2022 5:41:00 PM	65656
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	2/21/2022 5:41:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-92

Project: Jackson AT Battery

Collection Date: 2/16/2022 10:05:00 AM

Lab ID: 2202901-012

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1200	60		mg/Kg	20	2/24/2022 3:02:30 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	20	9.8		mg/Kg	1	2/23/2022 4:27:21 AM	65661
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 4:27:21 AM	65661
Surr: DNOP	118	51.1-141		%Rec	1	2/23/2022 4:27:21 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 6:01:00 PM	65656
Surr: BFB	103	70-130		%Rec	1	2/21/2022 6:01:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 6:01:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 6:01:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 6:01:00 PM	65656
Xylenes, Total	ND	0.098		mg/Kg	1	2/21/2022 6:01:00 PM	65656
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	2/21/2022 6:01:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-93

Project: Jackson AT Battery

Collection Date: 2/16/2022 10:10:00 AM

Lab ID: 2202901-013

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	60		mg/Kg	20	2/24/2022 3:14:51 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/23/2022 4:50:56 AM	65661
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 4:50:56 AM	65661
Surr: DNOP	116	51.1-141		%Rec	1	2/23/2022 4:50:56 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2022 6:21:00 PM	65656
Surr: BFB	109	70-130		%Rec	1	2/21/2022 6:21:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 6:21:00 PM	65656
Toluene	ND	0.050		mg/Kg	1	2/21/2022 6:21:00 PM	65656
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2022 6:21:00 PM	65656
Xylenes, Total	ND	0.10		mg/Kg	1	2/21/2022 6:21:00 PM	65656
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	2/21/2022 6:21:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-94

Project: Jackson AT Battery

Collection Date: 2/16/2022 10:15:00 AM

Lab ID: 2202901-014

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1600	60		mg/Kg	20	2/24/2022 3:27:12 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/23/2022 5:14:26 AM	65661
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/23/2022 5:14:26 AM	65661
Surr: DNOP	99.3	51.1-141		%Rec	1	2/23/2022 5:14:26 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2022 6:41:00 PM	65656
Surr: BFB	106	70-130		%Rec	1	2/21/2022 6:41:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 6:41:00 PM	65656
Toluene	ND	0.050		mg/Kg	1	2/21/2022 6:41:00 PM	65656
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2022 6:41:00 PM	65656
Xylenes, Total	ND	0.10		mg/Kg	1	2/21/2022 6:41:00 PM	65656
Surr: 4-Bromofluorobenzene	90.5	70-130		%Rec	1	2/21/2022 6:41:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-95

Project: Jackson AT Battery

Collection Date: 2/16/2022 10:20:00 AM

Lab ID: 2202901-015

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: CAS
Chloride	1100	60		mg/Kg	20	2/24/2022 3:39:33 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/23/2022 5:38:09 AM	65661
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/23/2022 5:38:09 AM	65661
Surr: DNOP	113	51.1-141		%Rec	1	2/23/2022 5:38:09 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 7:00:00 PM	65656
Surr: BFB	105	70-130		%Rec	1	2/21/2022 7:00:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/21/2022 7:00:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 7:00:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 7:00:00 PM	65656
Xylenes, Total	ND	0.097		mg/Kg	1	2/21/2022 7:00:00 PM	65656
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	2/21/2022 7:00:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-96

Project: Jackson AT Battery

Collection Date: 2/16/2022 11:00:00 AM

Lab ID: 2202901-016

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	4200	150		mg/Kg	50	2/28/2022 1:24:25 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	27	9.8		mg/Kg	1	2/23/2022 6:01:57 AM	65661
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/23/2022 6:01:57 AM	65661
Surr: DNOP	89.7	51.1-141		%Rec	1	2/23/2022 6:01:57 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/21/2022 7:20:00 PM	65656
Surr: BFB	102	70-130		%Rec	1	2/21/2022 7:20:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 7:20:00 PM	65656
Toluene	ND	0.050		mg/Kg	1	2/21/2022 7:20:00 PM	65656
Ethylbenzene	ND	0.050		mg/Kg	1	2/21/2022 7:20:00 PM	65656
Xylenes, Total	ND	0.10		mg/Kg	1	2/21/2022 7:20:00 PM	65656
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	2/21/2022 7:20:00 PM	65656

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

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

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Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-97

Project: Jackson AT Battery

Collection Date: 2/16/2022 11:05:00 AM

Lab ID: 2202901-017

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	7900	300		mg/Kg	100	2/28/2022 1:36:50 PM	65779
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	23	9.8		mg/Kg	1	2/23/2022 6:25:44 AM	65661
Motor Oil Range Organics (MRO)	49	49		mg/Kg	1	2/23/2022 6:25:44 AM	65661
Surr: DNOP	109	51.1-141		%Rec	1	2/23/2022 6:25:44 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 7:40:00 PM	65656
Surr: BFB	103	70-130		%Rec	1	2/21/2022 7:40:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 7:40:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 7:40:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 7:40:00 PM	65656
Xylenes, Total	ND	0.098		mg/Kg	1	2/21/2022 7:40:00 PM	65656
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	2/21/2022 7:40:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-98

Project: Jackson AT Battery

Collection Date: 2/16/2022 11:10:00 AM

Lab ID: 2202901-018

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	4100	150		mg/Kg	50	2/25/2022 1:57:39 PM	65794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.7		mg/Kg	1	2/23/2022 6:49:29 AM	65661
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/23/2022 6:49:29 AM	65661
Surr: DNOP	114	51.1-141		%Rec	1	2/23/2022 6:49:29 AM	65661
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/21/2022 8:00:00 PM	65656
Surr: BFB	103	70-130		%Rec	1	2/21/2022 8:00:00 PM	65656
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/21/2022 8:00:00 PM	65656
Toluene	ND	0.049		mg/Kg	1	2/21/2022 8:00:00 PM	65656
Ethylbenzene	ND	0.049		mg/Kg	1	2/21/2022 8:00:00 PM	65656
Xylenes, Total	ND	0.098		mg/Kg	1	2/21/2022 8:00:00 PM	65656
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	2/21/2022 8:00:00 PM	65656

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

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

Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-99

Project: Jackson AT Battery

Collection Date: 2/16/2022 11:15:00 AM

Lab ID: 2202901-019

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	150		mg/Kg	50	2/25/2022 2:10:03 PM	65794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/22/2022 1:32:50 PM	65678
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/22/2022 1:32:50 PM	65678
Surr: DNOP	111	51.1-141		%Rec	1	2/22/2022 1:32:50 PM	65678
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/22/2022 12:59:19 AM	65658
Surr: BFB	106	70-130		%Rec	1	2/22/2022 12:59:19 AM	65658
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/22/2022 12:59:19 AM	65658
Toluene	ND	0.049		mg/Kg	1	2/22/2022 12:59:19 AM	65658
Ethylbenzene	ND	0.049		mg/Kg	1	2/22/2022 12:59:19 AM	65658
Xylenes, Total	ND	0.097		mg/Kg	1	2/22/2022 12:59:19 AM	65658
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	2/22/2022 12:59:19 AM	65658

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

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

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Analytical Report

Lab Order 2202901

Date Reported: 3/4/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-100

Project: Jackson AT Battery

Collection Date: 2/16/2022 11:20:00 AM

Lab ID: 2202901-020

Matrix: SOIL

Received Date: 2/18/2022 7:36:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	3300	150		mg/Kg	50	2/25/2022 2:22:28 PM	65794
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	4300	500		mg/Kg	50	2/22/2022 1:43:52 PM	65678
Motor Oil Range Organics (MRO)	4000	2500		mg/Kg	50	2/22/2022 1:43:52 PM	65678
Surr: DNOP	0	51.1-141	S	%Rec	50	2/22/2022 1:43:52 PM	65678
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Surr: BFB	106	70-130		%Rec	5	2/22/2022 2:09:49 AM	65658
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Toluene	ND	0.25		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Ethylbenzene	ND	0.25		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Xylenes, Total	ND	0.50		mg/Kg	5	2/22/2022 2:09:49 AM	65658
Surr: 4-Bromofluorobenzene	97.7	70-130		%Rec	5	2/22/2022 2:09:49 AM	65658

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

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

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

WO#: 2202901

04-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65779	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65779	RunNo: 86060								
Prep Date: 2/24/2022	Analysis Date: 2/24/2022	SeqNo: 3033158	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65779	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65779	RunNo: 86060								
Prep Date: 2/24/2022	Analysis Date: 2/24/2022	SeqNo: 3033159	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.2	90	110			

Sample ID: MB-65794	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65794	RunNo: 86104								
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	SeqNo: 3035064	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65794	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65794	RunNo: 86104								
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	SeqNo: 3035065	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Qualifiers:

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

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

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

WO#: 2202901

04-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65678	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65678			RunNo: 85993						
Prep Date: 2/21/2022	Analysis Date: 2/22/2022			SeqNo: 3029333	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	68.9	135			
Surr: DNOP	5.4		5.000		108	51.1	141			

Sample ID: MB-65678	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65678			RunNo: 85993						
Prep Date: 2/21/2022	Analysis Date: 2/22/2022			SeqNo: 3029334	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		99.0	51.1	141			

Sample ID: 2202901-019AMSD	SampType: MSD			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: BH-99	Batch ID: 65678			RunNo: 85993						
Prep Date: 2/21/2022	Analysis Date: 2/22/2022			SeqNo: 3030823	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	49.95	6.697	78.8	39.3	155	1.30	23.4	
Surr: DNOP	4.3		4.995		85.7	51.1	141	0	0	

Sample ID: 2202901-019AMS	SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: BH-99	Batch ID: 65678			RunNo: 85993						
Prep Date: 2/21/2022	Analysis Date: 2/22/2022			SeqNo: 3030838	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	6.697	79.9	39.3	155			
Surr: DNOP	4.4		5.000		88.1	51.1	141			

Sample ID: MB-65661	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65661			RunNo: 85989						
Prep Date: 2/18/2022	Analysis Date: 2/22/2022			SeqNo: 3031305	Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.6		10.00		95.8	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202901
04-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65661	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65661	RunNo: 85989								
Prep Date: 2/18/2022	Analysis Date: 2/22/2022	SeqNo: 3031306	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	135			
Surr: DNOP	4.6		5.000		92.1	51.1	141			

Qualifiers:

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

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

WO#: 2202901

04-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65658	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65658	RunNo: 85971								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028349	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		111	70	130			

Sample ID: lcs-65658	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65658	RunNo: 85971								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028350	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.3	78.6	131			
Surr: BFB	1200		1000		124	70	130			

Sample ID: MB-65656	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65656	RunNo: 85977								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028593	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		110	70	130			

Sample ID: lcs-65656	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65656	RunNo: 85977								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028646	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1200		1000		118	70	130			

Qualifiers:

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

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

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

WO#: 2202901

04-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65658	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65658	RunNo: 85971								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028396	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: LCS-65658	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65658	RunNo: 85971								
Prep Date: 2/18/2022	Analysis Date: 2/21/2022	SeqNo: 3028397	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.8	80	120			
Toluene	0.96	0.050	1.000	0	95.7	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.5	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.6	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		105	70	130			

Sample ID: 2202901-019ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-99	Batch ID: 65658	RunNo: 85971								
Prep Date: 2/18/2022	Analysis Date: 2/22/2022	SeqNo: 3028399	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.82	0.024	0.9737	0	83.8	80	120			
Toluene	0.88	0.049	0.9737	0	90.6	80	120			
Ethylbenzene	0.91	0.049	0.9737	0	93.3	80	120			
Xylenes, Total	2.7	0.097	2.921	0	93.5	80	120			
Surr: 4-Bromofluorobenzene	0.99		0.9737		102	70	130			

Sample ID: 2202901-019amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-99	Batch ID: 65658	RunNo: 85971								
Prep Date: 2/18/2022	Analysis Date: 2/22/2022	SeqNo: 3028400	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.024	0.9718	0	81.8	80	120	2.56	20	
Toluene	0.88	0.049	0.9718	0	90.5	80	120	0.382	20	
Ethylbenzene	0.91	0.049	0.9718	0	93.9	80	120	0.436	20	
Xylenes, Total	2.8	0.097	2.915	0	94.4	80	120	0.692	20	
Surr: 4-Bromofluorobenzene	0.99		0.9718		102	70	130	0	0	

Qualifiers:

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

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

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

WO#: 2202901

04-Mar-22

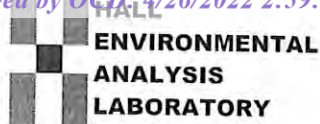
Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65656	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65656			RunNo: 85977						
Prep Date: 2/18/2022	Analysis Date: 2/21/2022			SeqNo: 3028647		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	92.2	80	120			
Toluene	0.94	0.050	1.000	0	94.4	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.4	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.3	70	130			

Sample ID: MB-65656	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65656			RunNo: 85977						
Prep Date: 2/18/2022	Analysis Date: 2/21/2022			SeqNo: 3028695		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		94.6	70	130			

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2202901

RcptNo: 1

Received By: Tracy Casarrubias 2/18/2022 7:36:00 AM

Completed By: Tracy Casarrubias 2/18/2022 8:42:09 AM

Reviewed By: *WDC* 2/18/22Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐ # of preserved bottles checked for pH:
(<2 or >12 unless noted)
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐ Adjusted?
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐ Checked by: *JN 2/18/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____ Date: _____
By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person
Regarding: _____
Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.7	Good	Yes			
2	4.2	Good	Yes			



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

March 08, 2022

Becky Haskell

GHD

6121 Indian School Road, NE #200

Albuquerque, NM 87110

TEL: (505) 884-0672

FAX

RE: Jackson AT Battery

OrderNo.: 2202943

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 18 sample(s) on 2/19/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman

Laboratory Manager

4901 Hawkins NE

Albuquerque, NM 87109

Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-101

Project: Jackson AT Battery

Collection Date: 2/17/2022 8:00:00 AM

Lab ID: 2202943-001

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1300	61		mg/Kg	20	2/25/2022 9:24:21 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/28/2022 4:04:08 PM	65745
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/28/2022 4:04:08 PM	65745
Surr: DNOP	83.7	51.1-141		%Rec	1	2/28/2022 4:04:08 PM	65745
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/22/2022 7:19:00 PM	65691
Surr: BFB	103	70-130		%Rec	1	2/22/2022 7:19:00 PM	65691
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/22/2022 7:19:00 PM	65691
Toluene	ND	0.047		mg/Kg	1	2/22/2022 7:19:00 PM	65691
Ethylbenzene	ND	0.047		mg/Kg	1	2/22/2022 7:19:00 PM	65691
Xylenes, Total	ND	0.095		mg/Kg	1	2/22/2022 7:19:00 PM	65691
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	2/22/2022 7:19:00 PM	65691

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

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

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Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-102

Project: Jackson AT Battery

Collection Date: 2/17/2022 8:05:00 AM

Lab ID: 2202943-002

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	890	60		mg/Kg	20	2/25/2022 9:36:45 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/28/2022 4:14:53 PM	65745
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/28/2022 4:14:53 PM	65745
Surr: DNOP	98.2	51.1-141		%Rec	1	2/28/2022 4:14:53 PM	65745
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/22/2022 7:39:00 PM	65691
Surr: BFB	103	70-130		%Rec	1	2/22/2022 7:39:00 PM	65691
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/22/2022 7:39:00 PM	65691
Toluene	ND	0.048		mg/Kg	1	2/22/2022 7:39:00 PM	65691
Ethylbenzene	ND	0.048		mg/Kg	1	2/22/2022 7:39:00 PM	65691
Xylenes, Total	ND	0.096		mg/Kg	1	2/22/2022 7:39:00 PM	65691
Surr: 4-Bromofluorobenzene	89.2	70-130		%Rec	1	2/22/2022 7:39:00 PM	65691

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

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

Page 2 of 25

Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-103

Project: Jackson AT Battery

Collection Date: 2/17/2022 8:10:00 AM

Lab ID: 2202943-003

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1400	60		mg/Kg	20	2/25/2022 9:49:09 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/28/2022 4:25:38 PM	65745
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/28/2022 4:25:38 PM	65745
Surr: DNOP	84.6	51.1-141		%Rec	1	2/28/2022 4:25:38 PM	65745
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/22/2022 7:59:00 PM	65691
Surr: BFB	101	70-130		%Rec	1	2/22/2022 7:59:00 PM	65691
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/22/2022 7:59:00 PM	65691
Toluene	ND	0.049		mg/Kg	1	2/22/2022 7:59:00 PM	65691
Ethylbenzene	ND	0.049		mg/Kg	1	2/22/2022 7:59:00 PM	65691
Xylenes, Total	ND	0.099		mg/Kg	1	2/22/2022 7:59:00 PM	65691
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	1	2/22/2022 7:59:00 PM	65691

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

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

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Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-104

Project: Jackson AT Battery

Collection Date: 2/17/2022 8:15:00 AM

Lab ID: 2202943-004

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1500	60		mg/Kg	20	2/25/2022 10:01:33 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	24	9.5		mg/Kg	1	2/25/2022 7:49:41 AM	65705
Motor Oil Range Organics (MRO)	94	47		mg/Kg	1	2/25/2022 7:49:41 AM	65705
Surr: DNOP	136	51.1-141		%Rec	1	2/25/2022 7:49:41 AM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/22/2022 10:17:00 PM	65695
Surr: BFB	101	70-130		%Rec	1	2/22/2022 10:17:00 PM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/22/2022 10:17:00 PM	65695
Toluene	ND	0.048		mg/Kg	1	2/22/2022 10:17:00 PM	65695
Ethylbenzene	ND	0.048		mg/Kg	1	2/22/2022 10:17:00 PM	65695
Xylenes, Total	ND	0.097		mg/Kg	1	2/22/2022 10:17:00 PM	65695
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	2/22/2022 10:17:00 PM	65695

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

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

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Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-105

Project: Jackson AT Battery

Collection Date: 2/17/2022 8:20:00 AM

Lab ID: 2202943-005

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1400	60		mg/Kg	20	2/25/2022 10:13:57 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	2/23/2022 4:44:38 PM	65705
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	2/23/2022 4:44:38 PM	65705
Surr: DNOP	87.9	51.1-141		%Rec	1	2/23/2022 4:44:38 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/22/2022 11:16:00 PM	65695
Surr: BFB	107	70-130		%Rec	1	2/22/2022 11:16:00 PM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/22/2022 11:16:00 PM	65695
Toluene	ND	0.047		mg/Kg	1	2/22/2022 11:16:00 PM	65695
Ethylbenzene	ND	0.047		mg/Kg	1	2/22/2022 11:16:00 PM	65695
Xylenes, Total	ND	0.095		mg/Kg	1	2/22/2022 11:16:00 PM	65695
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	2/22/2022 11:16:00 PM	65695

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

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

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Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-106

Project: Jackson AT Battery

Collection Date: 2/17/2022 8:25:00 AM

Lab ID: 2202943-006

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1300	60		mg/Kg	20	2/25/2022 10:26:21 PM	65813
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	53	9.4		mg/Kg	1	2/25/2022 7:28:32 AM	65705
Motor Oil Range Organics (MRO)	150	47		mg/Kg	1	2/25/2022 7:28:32 AM	65705
Surr: DNOP	92.6	51.1-141		%Rec	1	2/25/2022 7:28:32 AM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 12:15:00 AM	65695
Surr: BFB	106	70-130		%Rec	1	2/23/2022 12:15:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/23/2022 12:15:00 AM	65695
Toluene	ND	0.049		mg/Kg	1	2/23/2022 12:15:00 AM	65695
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 12:15:00 AM	65695
Xylenes, Total	ND	0.098		mg/Kg	1	2/23/2022 12:15:00 AM	65695
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	2/23/2022 12:15:00 AM	65695

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

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

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Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-107

Project: Jackson AT Battery

Collection Date: 2/17/2022 8:30:00 AM

Lab ID: 2202943-007

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	730	60		mg/Kg	20	2/25/2022 10:38:45 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	27	9.4		mg/Kg	1	2/28/2022 10:51:54 AM	65705
Motor Oil Range Organics (MRO)	89	47		mg/Kg	1	2/28/2022 10:51:54 AM	65705
Surr: DNOP	99.6	51.1-141		%Rec	1	2/28/2022 10:51:54 AM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 12:35:00 AM	65695
Surr: BFB	99.2	70-130		%Rec	1	2/23/2022 12:35:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 12:35:00 AM	65695
Toluene	ND	0.049		mg/Kg	1	2/23/2022 12:35:00 AM	65695
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 12:35:00 AM	65695
Xylenes, Total	ND	0.097		mg/Kg	1	2/23/2022 12:35:00 AM	65695
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	2/23/2022 12:35:00 AM	65695

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

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

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Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-108

Project: Jackson AT Battery

Collection Date: 2/17/2022 8:35:00 AM

Lab ID: 2202943-008

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	730	60		mg/Kg	20	2/25/2022 10:51:09 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	280	44		mg/Kg	5	2/25/2022 5:27:58 PM	65705
Motor Oil Range Organics (MRO)	880	220		mg/Kg	5	2/25/2022 5:27:58 PM	65705
Surr: DNOP	71.8	51.1-141		%Rec	5	2/25/2022 5:27:58 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 12:55:00 AM	65695
Surr: BFB	103	70-130		%Rec	1	2/23/2022 12:55:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 12:55:00 AM	65695
Toluene	ND	0.048		mg/Kg	1	2/23/2022 12:55:00 AM	65695
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 12:55:00 AM	65695
Xylenes, Total	ND	0.097		mg/Kg	1	2/23/2022 12:55:00 AM	65695
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	2/23/2022 12:55:00 AM	65695

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

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

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Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: SW-7A

Project: Jackson AT Battery

Collection Date: 2/17/2022 9:00:00 AM

Lab ID: 2202943-009

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/25/2022 11:28:22 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	48	9.6		mg/Kg	1	2/28/2022 2:09:21 PM	65705
Motor Oil Range Organics (MRO)	150	48		mg/Kg	1	2/28/2022 2:09:21 PM	65705
Surr: DNOP	83.1	51.1-141		%Rec	1	2/28/2022 2:09:21 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 1:14:00 AM	65695
Surr: BFB	102	70-130		%Rec	1	2/23/2022 1:14:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 1:14:00 AM	65695
Toluene	ND	0.049		mg/Kg	1	2/23/2022 1:14:00 AM	65695
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 1:14:00 AM	65695
Xylenes, Total	ND	0.098		mg/Kg	1	2/23/2022 1:14:00 AM	65695
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	2/23/2022 1:14:00 AM	65695

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

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

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Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: SW-6A

Project: Jackson AT Battery

Collection Date: 2/17/2022 9:30:00 AM

Lab ID: 2202943-010

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/25/2022 11:40:46 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	61	47		mg/Kg	5	2/25/2022 6:10:16 PM	65705
Motor Oil Range Organics (MRO)	310	230		mg/Kg	5	2/25/2022 6:10:16 PM	65705
Surr: DNOP	86.0	51.1-141		%Rec	5	2/25/2022 6:10:16 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/23/2022 1:34:00 AM	65695
Surr: BFB	102	70-130		%Rec	1	2/23/2022 1:34:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/23/2022 1:34:00 AM	65695
Toluene	ND	0.050		mg/Kg	1	2/23/2022 1:34:00 AM	65695
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2022 1:34:00 AM	65695
Xylenes, Total	ND	0.10		mg/Kg	1	2/23/2022 1:34:00 AM	65695
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	2/23/2022 1:34:00 AM	65695

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

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

Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: SW-4A

Project: Jackson AT Battery

Collection Date: 2/17/2022 9:45:00 AM

Lab ID: 2202943-011

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	2/25/2022 11:53:10 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	56	45		mg/Kg	5	2/25/2022 6:31:21 PM	65705
Motor Oil Range Organics (MRO)	270	230		mg/Kg	5	2/25/2022 6:31:21 PM	65705
Surr: DNOP	68.4	51.1-141		%Rec	5	2/25/2022 6:31:21 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 1:54:00 AM	65695
Surr: BFB	104	70-130		%Rec	1	2/23/2022 1:54:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 1:54:00 AM	65695
Toluene	ND	0.049		mg/Kg	1	2/23/2022 1:54:00 AM	65695
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 1:54:00 AM	65695
Xylenes, Total	ND	0.097		mg/Kg	1	2/23/2022 1:54:00 AM	65695
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	2/23/2022 1:54:00 AM	65695

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

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

Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-14A

Project: Jackson AT Battery

Collection Date: 2/17/2022 10:15:00 AM

Lab ID: 2202943-012

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1600	60		mg/Kg	20	2/26/2022 12:05:35 AM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	28	9.5		mg/Kg	1	2/25/2022 6:46:17 AM	65705
Motor Oil Range Organics (MRO)	130	48		mg/Kg	1	2/25/2022 6:46:17 AM	65705
Surr: DNOP	76.9	51.1-141		%Rec	1	2/25/2022 6:46:17 AM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 2:13:00 AM	65695
Surr: BFB	103	70-130		%Rec	1	2/23/2022 2:13:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 2:13:00 AM	65695
Toluene	ND	0.049		mg/Kg	1	2/23/2022 2:13:00 AM	65695
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 2:13:00 AM	65695
Xylenes, Total	ND	0.098		mg/Kg	1	2/23/2022 2:13:00 AM	65695
Surr: 4-Bromofluorobenzene	87.1	70-130		%Rec	1	2/23/2022 2:13:00 AM	65695

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

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

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Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-17A

Project: Jackson AT Battery

Collection Date: 2/17/2022 10:45:00 AM

Lab ID: 2202943-013

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	5400	150		mg/Kg	50	2/28/2022 1:57:23 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	340	50		mg/Kg	5	2/25/2022 6:52:24 PM	65705
Motor Oil Range Organics (MRO)	330	250		mg/Kg	5	2/25/2022 6:52:24 PM	65705
Surr: DNOP	79.1	51.1-141		%Rec	5	2/25/2022 6:52:24 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/23/2022 2:33:00 AM	65695
Surr: BFB	98.6	70-130		%Rec	1	2/23/2022 2:33:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/23/2022 2:33:00 AM	65695
Toluene	ND	0.050		mg/Kg	1	2/23/2022 2:33:00 AM	65695
Ethylbenzene	ND	0.050		mg/Kg	1	2/23/2022 2:33:00 AM	65695
Xylenes, Total	ND	0.10		mg/Kg	1	2/23/2022 2:33:00 AM	65695
Surr: 4-Bromofluorobenzene	86.0	70-130		%Rec	1	2/23/2022 2:33:00 AM	65695

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

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

Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-20A

Project: Jackson AT Battery

Collection Date: 2/17/2022 10:55:00 AM

Lab ID: 2202943-014

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	280	60		mg/Kg	20	2/26/2022 12:30:25 AM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	310	97		mg/Kg	10	2/25/2022 11:42:46 AM	65705
Motor Oil Range Organics (MRO)	840	480		mg/Kg	10	2/25/2022 11:42:46 AM	65705
Surr: DNOP	0	51.1-141	S	%Rec	10	2/25/2022 11:42:46 AM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Surr: BFB	101	70-130		%Rec	1	2/23/2022 3:32:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Toluene	ND	0.048		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Xylenes, Total	ND	0.097		mg/Kg	1	2/23/2022 3:32:00 AM	65695
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	2/23/2022 3:32:00 AM	65695

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

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

Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-21A

Project: Jackson AT Battery

Collection Date: 2/17/2022 11:15:00 AM

Lab ID: 2202943-015

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2500	150		mg/Kg	50	2/28/2022 2:34:36 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	260	9.8		mg/Kg	1	2/28/2022 3:00:00 PM	65705
Motor Oil Range Organics (MRO)	190	49		mg/Kg	1	2/28/2022 3:00:00 PM	65705
Surr: DNOP	83.9	51.1-141		%Rec	1	2/28/2022 3:00:00 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	2/23/2022 3:51:00 AM	65695
Surr: BFB	102	70-130		%Rec	5	2/23/2022 3:51:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	2/23/2022 3:51:00 AM	65695
Toluene	ND	0.24		mg/Kg	5	2/23/2022 3:51:00 AM	65695
Ethylbenzene	ND	0.24		mg/Kg	5	2/23/2022 3:51:00 AM	65695
Xylenes, Total	ND	0.48		mg/Kg	5	2/23/2022 3:51:00 AM	65695
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	5	2/23/2022 3:51:00 AM	65695

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

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

Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-23A

Project: Jackson AT Battery

Collection Date: 2/17/2022 11:45:00 AM

Lab ID: 2202943-016

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2500	150		mg/Kg	50	2/28/2022 2:47:01 PM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	270	100		mg/Kg	10	2/23/2022 7:01:32 PM	65705
Motor Oil Range Organics (MRO)	510	500		mg/Kg	10	2/23/2022 7:01:32 PM	65705
Surr: DNOP	0	51.1-141	S	%Rec	10	2/23/2022 7:01:32 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Surr: BFB	104	70-130		%Rec	1	2/23/2022 4:11:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Toluene	ND	0.047		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Ethylbenzene	ND	0.047		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Xylenes, Total	ND	0.094		mg/Kg	1	2/23/2022 4:11:00 AM	65695
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	2/23/2022 4:11:00 AM	65695

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

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

Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-109

Project: Jackson AT Battery

Collection Date: 2/17/2022 1:10:00 PM

Lab ID: 2202943-017

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1200	59		mg/Kg	20	2/26/2022 1:07:38 AM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	330	46		mg/Kg	5	2/25/2022 7:34:28 PM	65705
Motor Oil Range Organics (MRO)	870	230		mg/Kg	5	2/25/2022 7:34:28 PM	65705
Surr: DNOP	88.2	51.1-141		%Rec	5	2/25/2022 7:34:28 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/23/2022 4:30:00 AM	65695
Surr: BFB	105	70-130		%Rec	1	2/23/2022 4:30:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/23/2022 4:30:00 AM	65695
Toluene	ND	0.049		mg/Kg	1	2/23/2022 4:30:00 AM	65695
Ethylbenzene	ND	0.049		mg/Kg	1	2/23/2022 4:30:00 AM	65695
Xylenes, Total	ND	0.098		mg/Kg	1	2/23/2022 4:30:00 AM	65695
Surr: 4-Bromofluorobenzene	87.7	70-130		%Rec	1	2/23/2022 4:30:00 AM	65695

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

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

Analytical Report

Lab Order 2202943

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD

Client Sample ID: BH-110

Project: Jackson AT Battery

Collection Date: 2/17/2022 1:40:00 PM

Lab ID: 2202943-018

Matrix: SOIL

Received Date: 2/19/2022 8:20:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2000	61		mg/Kg	20	2/26/2022 1:20:03 AM	65814
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	210	50		mg/Kg	5	2/28/2022 12:33:55 PM	65705
Motor Oil Range Organics (MRO)	490	250		mg/Kg	5	2/28/2022 12:33:55 PM	65705
Surr: DNOP	88.6	51.1-141		%Rec	5	2/28/2022 12:33:55 PM	65705
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/23/2022 4:50:00 AM	65695
Surr: BFB	103	70-130		%Rec	1	2/23/2022 4:50:00 AM	65695
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/23/2022 4:50:00 AM	65695
Toluene	ND	0.048		mg/Kg	1	2/23/2022 4:50:00 AM	65695
Ethylbenzene	ND	0.048		mg/Kg	1	2/23/2022 4:50:00 AM	65695
Xylenes, Total	ND	0.095		mg/Kg	1	2/23/2022 4:50:00 AM	65695
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	2/23/2022 4:50:00 AM	65695

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

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

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

WO#: 2202943

08-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: MB-65813	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65813	RunNo: 86104								
Prep Date: 2/25/2022	Analysis Date: 2/25/2022	SeqNo: 3035100	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65813	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65813	RunNo: 86104								
Prep Date: 2/25/2022	Analysis Date: 2/25/2022	SeqNo: 3035101	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

Sample ID: MB-65814	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65814	RunNo: 86104								
Prep Date: 2/25/2022	Analysis Date: 2/25/2022	SeqNo: 3035102	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65814	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65814	RunNo: 86104								
Prep Date: 2/25/2022	Analysis Date: 2/25/2022	SeqNo: 3035103	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

Qualifiers:

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

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

WO#: 2202943

08-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: LCS-65705	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65705			RunNo: 86029						
Prep Date: 2/22/2022	Analysis Date: 2/23/2022			SeqNo: 3032025		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.9	68.9	135			
Surr: DNOP	4.5		5.000		89.5	51.1	141			

Sample ID: MB-65705	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65705			RunNo: 86029						
Prep Date: 2/22/2022	Analysis Date: 2/23/2022			SeqNo: 3032028		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.4		10.00		93.7	51.1	141			

Sample ID: LCS-65745	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65745			RunNo: 86063						
Prep Date: 2/23/2022	Analysis Date: 2/24/2022			SeqNo: 3033007		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	101	68.9	135			
Surr: DNOP	4.7		5.000		94.2	51.1	141			

Sample ID: MB-65745	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65745			RunNo: 86063						
Prep Date: 2/23/2022	Analysis Date: 2/24/2022			SeqNo: 3033011		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		96.9	51.1	141			

Sample ID: 2202943-004AMS	SampType: MS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: BH-104	Batch ID: 65705			RunNo: 86063						
Prep Date: 2/22/2022	Analysis Date: 2/25/2022			SeqNo: 3033148		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	9.9	49.46	23.58	62.8	39.3	155			
Surr: DNOP	3.5		4.946		70.7	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202943

08-Mar-22

Client: GHD

Project: Jackson AT Battery

Sample ID: 2202943-004AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: BH-104		Batch ID: 65705		RunNo: 86063						
Prep Date: 2/22/2022		Analysis Date: 2/25/2022		SeqNo: 3033149		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	63	8.8	44.13	23.58	89.6	39.3	155	14.4	23.4	
Surr: DNOP	3.4		4.413		76.0	51.1	141	0	0	

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2202943

08-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: lcs-65691	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 65691		RunNo: 86012							
Prep Date: 2/21/2022	Analysis Date: 2/22/2022		SeqNo: 3030314		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	121	78.6	131			
Surr: BFB	1200		1000		122	70	130			

Sample ID: mb-65691	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 65691		RunNo: 86012							
Prep Date: 2/21/2022	Analysis Date: 2/22/2022		SeqNo: 3030315		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1200		1000		116	70	130			

Sample ID: lcs-65695	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 65695		RunNo: 86012							
Prep Date: 2/21/2022	Analysis Date: 2/22/2022		SeqNo: 3030338		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	78.6	131			
Surr: BFB	1200		1000		122	70	130			

Sample ID: mb-65695	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 65695		RunNo: 86012							
Prep Date: 2/21/2022	Analysis Date: 2/22/2022		SeqNo: 3030339		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		108	70	130			

Sample ID: 2202943-004ams	SampType: MS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: BH-104	Batch ID: 65695		RunNo: 86012							
Prep Date: 2/21/2022	Analysis Date: 2/22/2022		SeqNo: 3030341		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	4.9	24.51	0	124	70	130			
Surr: BFB	1200		980.4		120	70	130			

Sample ID: 2202943-004amsd	SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: BH-104	Batch ID: 65695		RunNo: 86012							
Prep Date: 2/21/2022	Analysis Date: 2/22/2022		SeqNo: 3030342		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2202943

08-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: 2202943-004amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-104	Batch ID: 65695	RunNo: 86012								
Prep Date: 2/21/2022	Analysis Date: 2/22/2022	SeqNo: 3030342 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.9	24.49	0	117	70	130	6.27	20	
Surr: BFB	1200		979.4		124	70	130	0	0	

Qualifiers:

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

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

WO#: 2202943

08-Mar-22

Client: GHD
Project: Jackson AT Battery

Sample ID: lcs-65691	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65691			RunNo: 86012						
Prep Date: 2/21/2022	Analysis Date: 2/22/2022			SeqNo: 3030371		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.8	80	120			
Toluene	0.99	0.050	1.000	0	98.9	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.7	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.5	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.1	70	130			

Sample ID: mb-65691	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65691			RunNo: 86012						
Prep Date: 2/21/2022	Analysis Date: 2/22/2022			SeqNo: 3030372		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		96.1	70	130			

Sample ID: lcs-65695	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65695			RunNo: 86012						
Prep Date: 2/21/2022	Analysis Date: 2/22/2022			SeqNo: 3030395		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.0	80	120			
Toluene	0.94	0.050	1.000	0	93.5	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.5	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.8	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.7	70	130			

Sample ID: mb-65695	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65695			RunNo: 86012						
Prep Date: 2/21/2022	Analysis Date: 2/22/2022			SeqNo: 3030396		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.7	70	130			

Qualifiers:

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

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

WO#: 2202943

08-Mar-22

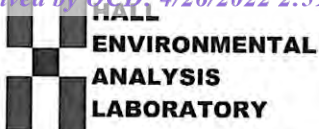
Client: GHD
Project: Jackson AT Battery

Sample ID: 2202943-005ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-105	Batch ID: 65695	RunNo: 86012								
Prep Date: 2/21/2022	Analysis Date: 2/22/2022	SeqNo: 3030399	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9756	0	95.3	80	120			
Toluene	0.97	0.049	0.9756	0	99.5	80	120			
Ethylbenzene	0.99	0.049	0.9756	0	102	80	120			
Xylenes, Total	3.0	0.098	2.927	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.88		0.9756		89.8	70	130			

Sample ID: 2202943-005amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-105	Batch ID: 65695	RunNo: 86012								
Prep Date: 2/21/2022	Analysis Date: 2/22/2022	SeqNo: 3030400	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	0.9872	0	90.9	80	120	3.50	20	
Toluene	0.93	0.049	0.9872	0	94.1	80	120	4.47	20	
Ethylbenzene	0.95	0.049	0.9872	0	96.4	80	120	4.49	20	
Xylenes, Total	2.9	0.099	2.962	0	96.6	80	120	4.45	20	
Surr: 4-Bromofluorobenzene	0.91		0.9872		92.0	70	130	0	0	

Qualifiers:

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



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: 2202943

RcptNo: 1

Received By: Juan Rojas

2/19/2022 8:20:00 AM

Juan Rojas

Completed By: Juan Rojas

2/19/2022 8:50:05 AM

*Juan Rojas*Reviewed By: *YVRG**2/19/22***Chain of Custody**

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *jr 2/19/22***Special Handling (if applicable)**

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good				
2	2.0	Good				



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

March 08, 2022

Tom Larson
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX:

RE: Jackson AT Battery

OrderNo.: 2202A41

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 22 sample(s) on 2/23/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-111

Project: Jackson AT Battery

Collection Date: 2/18/2022 8:30:00 AM

Lab ID: 2202A41-001

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1900	61		mg/Kg	20	3/1/2022 9:21:07 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/26/2022 5:36:03 AM	65777
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/26/2022 5:36:03 AM	65777
Surr: DNOP	108	51.1-141		%Rec	1	2/26/2022 5:36:03 AM	65777
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 1:01:11 AM	65765
Surr: BFB	106	70-130		%Rec	1	2/25/2022 1:01:11 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/25/2022 1:01:11 AM	65765
Toluene	ND	0.049		mg/Kg	1	2/25/2022 1:01:11 AM	65765
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 1:01:11 AM	65765
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 1:01:11 AM	65765
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	2/25/2022 1:01:11 AM	65765

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-112

Project: Jackson AT Battery

Collection Date: 2/18/2022 8:35:00 AM

Lab ID: 2202A41-002

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	60		mg/Kg	20	3/1/2022 9:58:20 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/26/2022 5:46:46 AM	65777
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/26/2022 5:46:46 AM	65777
Surr: DNOP	142	51.1-141	S	%Rec	1	2/26/2022 5:46:46 AM	65777
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Surr: BFB	103	70-130		%Rec	1	2/25/2022 1:24:47 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Toluene	ND	0.048		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2022 1:24:47 AM	65765
Surr: 4-Bromofluorobenzene	97.4	70-130		%Rec	1	2/25/2022 1:24:47 AM	65765

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-113

Project: Jackson AT Battery

Collection Date: 2/18/2022 9:00:00 AM

Lab ID: 2202A41-003

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2300	60		mg/Kg	20	3/1/2022 10:10:44 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/26/2022 5:57:27 AM	65777
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/26/2022 5:57:27 AM	65777
Surr: DNOP	144	51.1-141	S	%Rec	1	2/26/2022 5:57:27 AM	65777
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Surr: BFB	102	70-130		%Rec	1	2/25/2022 1:48:18 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Toluene	ND	0.049		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 1:48:18 AM	65765
Surr: 4-Bromofluorobenzene	97.3	70-130		%Rec	1	2/25/2022 1:48:18 AM	65765

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-114

Project: Jackson AT Battery

Collection Date: 2/18/2022 9:10:00 AM

Lab ID: 2202A41-004

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	60		mg/Kg	20	3/1/2022 10:23:09 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/26/2022 6:08:06 AM	65777
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/26/2022 6:08:06 AM	65777
Surr: DNOP	116	51.1-141		%Rec	1	2/26/2022 6:08:06 AM	65777
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2022 2:11:51 AM	65765
Surr: BFB	105	70-130		%Rec	1	2/25/2022 2:11:51 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2022 2:11:51 AM	65765
Toluene	ND	0.047		mg/Kg	1	2/25/2022 2:11:51 AM	65765
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2022 2:11:51 AM	65765
Xylenes, Total	ND	0.094		mg/Kg	1	2/25/2022 2:11:51 AM	65765
Surr: 4-Bromofluorobenzene	97.9	70-130		%Rec	1	2/25/2022 2:11:51 AM	65765

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-19

Project: Jackson AT Battery

Collection Date: 2/18/2022 9:20:00 AM

Lab ID: 2202A41-005

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/1/2022 10:35:34 PM	65877
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	2/26/2022 6:18:47 AM	65777
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	2/26/2022 6:18:47 AM	65777
Surr: DNOP	116	51.1-141		%Rec	1	2/26/2022 6:18:47 AM	65777
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2022 2:58:53 AM	65765
Surr: BFB	105	70-130		%Rec	1	2/25/2022 2:58:53 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/25/2022 2:58:53 AM	65765
Toluene	ND	0.050		mg/Kg	1	2/25/2022 2:58:53 AM	65765
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2022 2:58:53 AM	65765
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2022 2:58:53 AM	65765
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	2/25/2022 2:58:53 AM	65765

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-20

Project: Jackson AT Battery

Collection Date: 2/18/2022 9:25:00 AM

Lab ID: 2202A41-006

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/1/2022 7:00:50 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/26/2022 6:29:31 AM	65777
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/26/2022 6:29:31 AM	65777
Surr: DNOP	79.5	51.1-141		%Rec	1	2/26/2022 6:29:31 AM	65777
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2022 3:22:15 AM	65765
Surr: BFB	105	70-130		%Rec	1	2/25/2022 3:22:15 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2022 3:22:15 AM	65765
Toluene	ND	0.047		mg/Kg	1	2/25/2022 3:22:15 AM	65765
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2022 3:22:15 AM	65765
Xylenes, Total	ND	0.094		mg/Kg	1	2/25/2022 3:22:15 AM	65765
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/25/2022 3:22:15 AM	65765

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-115

Project: Jackson AT Battery

Collection Date: 2/18/2022 9:30:00 AM

Lab ID: 2202A41-007

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	3/1/2022 7:38:04 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	150	91		mg/Kg	10	2/28/2022 6:05:18 PM	65777
Motor Oil Range Organics (MRO)	460	450		mg/Kg	10	2/28/2022 6:05:18 PM	65777
Surr: DNOP	0	51.1-141	S	%Rec	10	2/28/2022 6:05:18 PM	65777
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Surr: BFB	104	70-130		%Rec	1	2/25/2022 3:45:35 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Toluene	ND	0.048		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2022 3:45:35 AM	65765
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	2/25/2022 3:45:35 AM	65765

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-116

Project: Jackson AT Battery

Collection Date: 2/18/2022 9:35:00 AM

Lab ID: 2202A41-008

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/1/2022 7:50:29 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	400	8.9		mg/Kg	1	2/28/2022 7:19:40 PM	65780
Motor Oil Range Organics (MRO)	810	45		mg/Kg	1	2/28/2022 7:19:40 PM	65780
Surr: DNOP	78.7	51.1-141		%Rec	1	2/28/2022 7:19:40 PM	65780
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2022 4:08:53 AM	65765
Surr: BFB	103	70-130		%Rec	1	2/25/2022 4:08:53 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/25/2022 4:08:53 AM	65765
Toluene	ND	0.047		mg/Kg	1	2/25/2022 4:08:53 AM	65765
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2022 4:08:53 AM	65765
Xylenes, Total	ND	0.094		mg/Kg	1	2/25/2022 4:08:53 AM	65765
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	2/25/2022 4:08:53 AM	65765

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

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

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-117

Project: Jackson AT Battery

Collection Date: 2/18/2022 9:50:00 AM

Lab ID: 2202A41-009

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1200	60		mg/Kg	20	3/1/2022 8:02:55 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	650	98		mg/Kg	10	3/1/2022 11:26:03 PM	65780
Motor Oil Range Organics (MRO)	1500	490		mg/Kg	10	3/1/2022 11:26:03 PM	65780
Surr: DNOP	0	51.1-141	S	%Rec	10	3/1/2022 11:26:03 PM	65780
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Surr: BFB	102	70-130		%Rec	1	2/25/2022 4:32:24 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Toluene	ND	0.050		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Xylenes, Total	ND	0.10		mg/Kg	1	2/25/2022 4:32:24 AM	65765
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	2/25/2022 4:32:24 AM	65765

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-21

Project: Jackson AT Battery

Collection Date: 2/18/2022 9:55:00 AM

Lab ID: 2202A41-010

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/1/2022 8:40:08 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	110	9.6		mg/Kg	1	3/2/2022 11:58:11 AM	65780
Motor Oil Range Organics (MRO)	170	48		mg/Kg	1	3/2/2022 11:58:11 AM	65780
Surr: DNOP	100	51.1-141		%Rec	1	3/2/2022 11:58:11 AM	65780
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 4:55:57 AM	65765
Surr: BFB	104	70-130		%Rec	1	2/25/2022 4:55:57 AM	65765
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/25/2022 4:55:57 AM	65765
Toluene	ND	0.049		mg/Kg	1	2/25/2022 4:55:57 AM	65765
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 4:55:57 AM	65765
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2022 4:55:57 AM	65765
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	1	2/25/2022 4:55:57 AM	65765

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

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

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-118

Project: Jackson AT Battery

Collection Date: 2/18/2022 10:05:00 AM

Lab ID: 2202A41-011

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	630	59		mg/Kg	20	3/1/2022 8:52:33 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/25/2022 11:39:12 PM	65780
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/25/2022 11:39:12 PM	65780
Surr: DNOP	95.6	51.1-141		%Rec	1	2/25/2022 11:39:12 PM	65780
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2022 12:32:40 PM	65765
Surr: BFB	107	70-130		%Rec	1	2/25/2022 12:32:40 PM	65765
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 12:32:40 PM	65765
Toluene	ND	0.050		mg/Kg	1	2/25/2022 12:32:40 PM	65765
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2022 12:32:40 PM	65765
Xylenes, Total	ND	0.10		mg/Kg	1	2/25/2022 12:32:40 PM	65765
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/25/2022 12:32:40 PM	65765

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

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

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-22

Project: Jackson AT Battery

Collection Date: 2/18/2022 10:10:00 AM

Lab ID: 2202A41-012

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	380	59		mg/Kg	20	3/1/2022 9:04:58 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	2/25/2022 8:26:58 PM	65789
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/25/2022 8:26:58 PM	65789
Surr: DNOP	122	51.1-141		%Rec	1	2/25/2022 8:26:58 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 2:31:15 PM	65765
Surr: BFB	110	70-130		%Rec	1	2/25/2022 2:31:15 PM	65765
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 2:31:15 PM	65765
Toluene	ND	0.049		mg/Kg	1	2/25/2022 2:31:15 PM	65765
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 2:31:15 PM	65765
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 2:31:15 PM	65765
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/25/2022 2:31:15 PM	65765

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-119

Project: Jackson AT Battery

Collection Date: 2/18/2022 10:30:00 AM

Lab ID: 2202A41-013

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	510	60		mg/Kg	20	3/1/2022 9:17:23 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	410	98		mg/Kg	10	2/28/2022 6:26:46 PM	65789
Motor Oil Range Organics (MRO)	1100	490		mg/Kg	10	2/28/2022 6:26:46 PM	65789
Surr: DNOP	0	51.1-141	S	%Rec	10	2/28/2022 6:26:46 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Surr: BFB	107	70-130		%Rec	1	2/25/2022 2:55:04 PM	65765
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Toluene	ND	0.049		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 2:55:04 PM	65765
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/25/2022 2:55:04 PM	65765

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

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

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-120

Project: Jackson AT Battery

Collection Date: 2/18/2022 10:35:00 AM

Lab ID: 2202A41-014

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	3500	150		mg/Kg	50	3/3/2022 10:53:38 AM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	210	9.8		mg/Kg	1	2/28/2022 6:48:12 PM	65789
Motor Oil Range Organics (MRO)	140	49		mg/Kg	1	2/28/2022 6:48:12 PM	65789
Surr: DNOP	116	51.1-141		%Rec	1	2/28/2022 6:48:12 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2022 3:18:50 PM	65765
Surr: BFB	109	70-130		%Rec	1	2/25/2022 3:18:50 PM	65765
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 3:18:50 PM	65765
Toluene	ND	0.048		mg/Kg	1	2/25/2022 3:18:50 PM	65765
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2022 3:18:50 PM	65765
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2022 3:18:50 PM	65765
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/25/2022 3:18:50 PM	65765

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

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

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-121

Project: Jackson AT Battery

Collection Date: 2/18/2022 10:40:00 AM

Lab ID: 2202A41-015

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	670	60		mg/Kg	20	3/1/2022 9:42:12 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	460	91		mg/Kg	10	2/28/2022 7:09:36 PM	65789
Motor Oil Range Organics (MRO)	970	450		mg/Kg	10	2/28/2022 7:09:36 PM	65789
Surr: DNOP	0	51.1-141	S	%Rec	10	2/28/2022 7:09:36 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Surr: BFB	109	70-130		%Rec	1	2/25/2022 1:23:00 AM	65767
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Toluene	ND	0.048		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2022 1:23:00 AM	65767
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	2/25/2022 1:23:00 AM	65767

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

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

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-122

Project: Jackson AT Battery

Collection Date: 2/18/2022 10:45:00 AM

Lab ID: 2202A41-016

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	940	60		mg/Kg	20	3/1/2022 9:54:37 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/25/2022 9:09:07 PM	65789
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	2/25/2022 9:09:07 PM	65789
Surr: DNOP	180	51.1-141	S	%Rec	1	2/25/2022 9:09:07 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Surr: BFB	106	70-130		%Rec	1	2/25/2022 2:22:00 AM	65767
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Toluene	ND	0.050		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2022 2:22:00 AM	65767
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	1	2/25/2022 2:22:00 AM	65767

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-123

Project: Jackson AT Battery

Collection Date: 2/18/2022 10:50:00 AM

Lab ID: 2202A41-017

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	750	61		mg/Kg	20	3/1/2022 10:07:02 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	2/25/2022 9:30:19 PM	65789
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/25/2022 9:30:19 PM	65789
Surr: DNOP	110	51.1-141		%Rec	1	2/25/2022 9:30:19 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/25/2022 3:21:00 AM	65767
Surr: BFB	105	70-130		%Rec	1	2/25/2022 3:21:00 AM	65767
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 3:21:00 AM	65767
Toluene	ND	0.050		mg/Kg	1	2/25/2022 3:21:00 AM	65767
Ethylbenzene	ND	0.050		mg/Kg	1	2/25/2022 3:21:00 AM	65767
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2022 3:21:00 AM	65767
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	2/25/2022 3:21:00 AM	65767

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-124

Project: Jackson AT Battery

Collection Date: 2/18/2022 10:55:00 AM

Lab ID: 2202A41-018

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2200	150		mg/Kg	50	3/2/2022 2:03:24 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	810	91		mg/Kg	10	2/25/2022 9:40:59 PM	65789
Motor Oil Range Organics (MRO)	510	450		mg/Kg	10	2/25/2022 9:40:59 PM	65789
Surr: DNOP	0	51.1-141	S	%Rec	10	2/25/2022 9:40:59 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Surr: BFB	102	70-130		%Rec	1	2/25/2022 3:40:00 AM	65767
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Toluene	ND	0.049		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 3:40:00 AM	65767
Surr: 4-Bromofluorobenzene	88.1	70-130		%Rec	1	2/25/2022 3:40:00 AM	65767

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

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

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-125

Project: Jackson AT Battery

Collection Date: 2/18/2022 11:00:00 AM

Lab ID: 2202A41-019

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	770	59		mg/Kg	20	3/1/2022 10:31:51 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	26	9.7		mg/Kg	1	3/1/2022 11:57:46 PM	65789
Motor Oil Range Organics (MRO)	89	49		mg/Kg	1	3/1/2022 11:57:46 PM	65789
Surr: DNOP	116	51.1-141		%Rec	1	3/1/2022 11:57:46 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 4:00:00 AM	65767
Surr: BFB	102	70-130		%Rec	1	2/25/2022 4:00:00 AM	65767
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 4:00:00 AM	65767
Toluene	ND	0.049		mg/Kg	1	2/25/2022 4:00:00 AM	65767
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 4:00:00 AM	65767
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2022 4:00:00 AM	65767
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	2/25/2022 4:00:00 AM	65767

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

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

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-126

Project: Jackson AT Battery

Collection Date: 2/18/2022 11:05:00 AM

Lab ID: 2202A41-020

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	250	60		mg/Kg	20	3/1/2022 11:09:06 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	14	9.7		mg/Kg	1	3/2/2022 10:46:13 AM	65789
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/2/2022 10:46:13 AM	65789
Surr: DNOP	104	51.1-141		%Rec	1	3/2/2022 10:46:13 AM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 4:20:00 AM	65767
Surr: BFB	106	70-130		%Rec	1	2/25/2022 4:20:00 AM	65767
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 4:20:00 AM	65767
Toluene	ND	0.049		mg/Kg	1	2/25/2022 4:20:00 AM	65767
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 4:20:00 AM	65767
Xylenes, Total	ND	0.099		mg/Kg	1	2/25/2022 4:20:00 AM	65767
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	2/25/2022 4:20:00 AM	65767

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

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

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Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-127

Project: Jackson AT Battery

Collection Date: 2/18/2022 11:10:00 AM

Lab ID: 2202A41-021

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	470	60		mg/Kg	20	3/1/2022 11:21:31 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	14	9.9		mg/Kg	1	2/28/2022 7:30:58 PM	65789
Motor Oil Range Organics (MRO)	52	49		mg/Kg	1	2/28/2022 7:30:58 PM	65789
Surr: DNOP	125	51.1-141		%Rec	1	2/28/2022 7:30:58 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 4:39:00 AM	65767
Surr: BFB	106	70-130		%Rec	1	2/25/2022 4:39:00 AM	65767
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 4:39:00 AM	65767
Toluene	ND	0.049		mg/Kg	1	2/25/2022 4:39:00 AM	65767
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 4:39:00 AM	65767
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 4:39:00 AM	65767
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	2/25/2022 4:39:00 AM	65767

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

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

Analytical Report

Lab Order 2202A41

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-23

Project: Jackson AT Battery

Collection Date: 2/18/2022 11:30:00 AM

Lab ID: 2202A41-022

Matrix: SOIL

Received Date: 2/23/2022 7:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	ND	60		mg/Kg	20	3/1/2022 11:33:55 PM	65882
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/25/2022 10:24:06 PM	65789
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/25/2022 10:24:06 PM	65789
Surr: DNOP	110	51.1-141		%Rec	1	2/25/2022 10:24:06 PM	65789
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 4:59:00 AM	65767
Surr: BFB	104	70-130		%Rec	1	2/25/2022 4:59:00 AM	65767
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 4:59:00 AM	65767
Toluene	ND	0.049		mg/Kg	1	2/25/2022 4:59:00 AM	65767
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 4:59:00 AM	65767
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 4:59:00 AM	65767
Surr: 4-Bromofluorobenzene	92.3	70-130		%Rec	1	2/25/2022 4:59:00 AM	65767

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

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

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

WO#: 2202A41

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65877	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65877	RunNo: 86175								
Prep Date: 3/1/2022	Analysis Date: 3/1/2022	SeqNo: 3037341 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65877	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65877	RunNo: 86175								
Prep Date: 3/1/2022	Analysis Date: 3/1/2022	SeqNo: 3037343 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.0	90	110			

Sample ID: MB-65882	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65882	RunNo: 86158								
Prep Date: 3/1/2022	Analysis Date: 3/1/2022	SeqNo: 3037786 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65882	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65882	RunNo: 86158								
Prep Date: 3/1/2022	Analysis Date: 3/1/2022	SeqNo: 3037787 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.5	90	110			

Sample ID: MB-65877	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65877	RunNo: 86214								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038866 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65877	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65877	RunNo: 86214								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038867 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.2	90	110			

Qualifiers:

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

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

WO#: 2202A41

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65789	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65789	RunNo: 86063								
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	SeqNo: 3033150 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	10	50.00	0	108	68.9	135			
Surr: DNOP	5.0		5.000		101	51.1	141			

Sample ID: MB-65789	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65789	RunNo: 86063								
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	SeqNo: 3033151 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	51.1	141			

Sample ID: 2202A41-012AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-22	Batch ID: 65789	RunNo: 86122								
Prep Date: 2/24/2022	Analysis Date: 2/26/2022	SeqNo: 3034532 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.1	45.58	5.058	90.2	39.3	155			
Surr: DNOP	4.3		4.558		93.5	51.1	141			

Sample ID: 2202A41-012AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-22	Batch ID: 65789	RunNo: 86122								
Prep Date: 2/24/2022	Analysis Date: 2/26/2022	SeqNo: 3034533 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	9.3	46.73	5.058	101	39.3	155	12.3	23.4	
Surr: DNOP	4.9		4.673		105	51.1	141	0	0	

Sample ID: LCS-65777	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65777	RunNo: 86122								
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	SeqNo: 3034562 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	68.9	135			
Surr: DNOP	4.2		5.000		84.1	51.1	141			

Qualifiers:

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

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

WO#: 2202A41

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65780	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65780	RunNo: 86122								
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	SeqNo: 3034563	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.2	68.9	135			
Surr: DNOP	4.0		5.000		80.6	51.1	141			

Sample ID: MB-65777	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65777	RunNo: 86122								
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	SeqNo: 3034564	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.9		10.00		98.9	51.1	141			

Sample ID: MB-65780	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65780	RunNo: 86122								
Prep Date: 2/24/2022	Analysis Date: 2/25/2022	SeqNo: 3034565	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		87.9	51.1	141			

Sample ID: 2202A41-008AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-116	Batch ID: 65780	RunNo: 86131								
Prep Date: 2/24/2022	Analysis Date: 2/28/2022	SeqNo: 3036297	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	470	9.6	48.17	403.2	148	39.3	155			
Surr: DNOP	3.6		4.817		74.4	51.1	141			

Sample ID: 2202A41-008AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-116	Batch ID: 65780	RunNo: 86131								
Prep Date: 2/24/2022	Analysis Date: 2/28/2022	SeqNo: 3036298	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	410	9.7	48.31	403.2	20.2	39.3	155	13.8	23.4	S
Surr: DNOP	3.2		4.831		66.6	51.1	141	0	0	

Qualifiers:

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

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

WO#: 2202A41

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65765	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65765	RunNo: 86074								
Prep Date: 2/23/2022	Analysis Date: 2/24/2022	SeqNo: 3032804 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		108	70	130			

Sample ID: lcs-65765	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65765	RunNo: 86074								
Prep Date: 2/23/2022	Analysis Date: 2/24/2022	SeqNo: 3032805 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	103	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: lcs-65767	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65767	RunNo: 86093								
Prep Date: 2/23/2022	Analysis Date: 2/25/2022	SeqNo: 3033506 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	115	78.6	131			
Surr: BFB	1200		1000		119	70	130			

Sample ID: mb-65767	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65767	RunNo: 86093								
Prep Date: 2/23/2022	Analysis Date: 2/25/2022	SeqNo: 3033507 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		112	70	130			

Sample ID: 2202a41-015ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-121	Batch ID: 65767	RunNo: 86093								
Prep Date: 2/23/2022	Analysis Date: 2/25/2022	SeqNo: 3033509 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	4.9	24.37	0	123	70	130			
Surr: BFB	1200		974.7		122	70	130			

Sample ID: 2202a41-015amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-121	Batch ID: 65767	RunNo: 86093								
Prep Date: 2/23/2022	Analysis Date: 2/25/2022	SeqNo: 3033510 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2202A41
08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202a41-015amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH-121		Batch ID: 65767		RunNo: 86093						
Prep Date: 2/23/2022		Analysis Date: 2/25/2022		SeqNo: 3033510		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	24.78	0	110	70	130	9.65	20	
Surr: BFB	1200		991.1		118	70	130	0	0	

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2202A41

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65765	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65765	RunNo: 86074								
Prep Date: 2/23/2022	Analysis Date: 2/24/2022	SeqNo: 3032858	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		102	70	130			

Sample ID: LCS-65765	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65765	RunNo: 86074								
Prep Date: 2/23/2022	Analysis Date: 2/24/2022	SeqNo: 3032859	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.3	80	120			
Toluene	0.90	0.050	1.000	0	90.5	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	91.7	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: lcs-65767	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65767	RunNo: 86093								
Prep Date: 2/23/2022	Analysis Date: 2/25/2022	SeqNo: 3033704	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.8	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.4	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.3	80	120			
Surr: 4-Bromofluorobenzene	0.94		1.000		93.8	70	130			

Sample ID: mb-65767	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65767	RunNo: 86093								
Prep Date: 2/23/2022	Analysis Date: 2/25/2022	SeqNo: 3033705	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		94.2	70	130			

Qualifiers:

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

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

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

WO#: 2202A41

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202a41-016ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-122	Batch ID: 65767	RunNo: 86093								
Prep Date: 2/23/2022	Analysis Date: 2/25/2022	SeqNo: 3033708	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	0.9960	0	104	80	120			
Toluene	1.1	0.050	0.9960	0	107	80	120			
Ethylbenzene	1.1	0.050	0.9960	0	109	80	120			
Xylenes, Total	3.2	0.10	2.988	0	108	80	120			
Surr: 4-Bromofluorobenzene	0.93		0.9960		93.1	70	130			

Sample ID: 2202a41-016amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-122	Batch ID: 65767	RunNo: 86093								
Prep Date: 2/23/2022	Analysis Date: 2/25/2022	SeqNo: 3033709	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9766	0	104	80	120	1.86	20	
Toluene	1.1	0.049	0.9766	0	108	80	120	0.956	20	
Ethylbenzene	1.1	0.049	0.9766	0	110	80	120	0.988	20	
Xylenes, Total	3.2	0.098	2.930	0	110	80	120	0.261	20	
Surr: 4-Bromofluorobenzene	0.92		0.9766		93.9	70	130	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2202A41

RcptNo: 1

Received By: Cheyenne Cason

2/23/2022 7:45:00 AM

Completed By: Sean Livingston

2/23/2022 8:27:58 AM

Reviewed By:

IO

2/23/22

Cason

Sean Livingston

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: KPG 2/23/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.0	Good				
2	2.3	Good				



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

March 08, 2022

Tom Larson
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX:

RE: Jackson AT Battery

OrderNo.: 2202B29

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 26 sample(s) on 2/24/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-128

Project: Jackson AT Battery

Collection Date: 2/22/2022 8:00:00 AM

Lab ID: 2202B29-001

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1400	60		mg/Kg	20	3/2/2022 1:51:00 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	160	9.2		mg/Kg	1	3/2/2022 2:15:08 AM	65806
Motor Oil Range Organics (MRO)	280	46		mg/Kg	1	3/2/2022 2:15:08 AM	65806
Surr: DNOP	85.7	51.1-141		%Rec	1	3/2/2022 2:15:08 AM	65806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2022 7:47:00 PM	65784
Surr: BFB	108	70-130		%Rec	1	2/25/2022 7:47:00 PM	65784
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 7:47:00 PM	65784
Toluene	ND	0.048		mg/Kg	1	2/25/2022 7:47:00 PM	65784
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2022 7:47:00 PM	65784
Xylenes, Total	ND	0.096		mg/Kg	1	2/25/2022 7:47:00 PM	65784
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	2/25/2022 7:47:00 PM	65784

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-129

Project: Jackson AT Battery

Collection Date: 2/22/2022 8:05:00 AM

Lab ID: 2202B29-002

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	2400	150		mg/Kg	50	3/3/2022 12:20:27 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	130	92		mg/Kg	10	3/2/2022 3:28:08 AM	65806
Motor Oil Range Organics (MRO)	730	460		mg/Kg	10	3/2/2022 3:28:08 AM	65806
Surr: DNOP	0	51.1-141	S	%Rec	10	3/2/2022 3:28:08 AM	65806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Surr: BFB	107	70-130		%Rec	1	2/25/2022 8:06:00 PM	65784
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Toluene	ND	0.046		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Ethylbenzene	ND	0.046		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Xylenes, Total	ND	0.092		mg/Kg	1	2/25/2022 8:06:00 PM	65784
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	2/25/2022 8:06:00 PM	65784

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-130

Project: Jackson AT Battery

Collection Date: 2/22/2022 8:10:00 AM

Lab ID: 2202B29-003

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1900	61		mg/Kg	20	3/2/2022 3:17:50 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	150	50		mg/Kg	5	3/2/2022 6:15:51 PM	65806
Motor Oil Range Organics (MRO)	440	250		mg/Kg	5	3/2/2022 6:15:51 PM	65806
Surr: DNOP	87.6	51.1-141		%Rec	5	3/2/2022 6:15:51 PM	65806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 8:26:00 PM	65784
Surr: BFB	109	70-130		%Rec	1	2/25/2022 8:26:00 PM	65784
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 8:26:00 PM	65784
Toluene	ND	0.049		mg/Kg	1	2/25/2022 8:26:00 PM	65784
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 8:26:00 PM	65784
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2022 8:26:00 PM	65784
Surr: 4-Bromofluorobenzene	92.5	70-130		%Rec	1	2/25/2022 8:26:00 PM	65784

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-131

Project: Jackson AT Battery

Collection Date: 2/22/2022 8:15:00 AM

Lab ID: 2202B29-004

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	500	60		mg/Kg	20	3/2/2022 3:30:15 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	130	48		mg/Kg	5	3/2/2022 6:48:08 PM	65806
Motor Oil Range Organics (MRO)	470	240		mg/Kg	5	3/2/2022 6:48:08 PM	65806
Surr: DNOP	74.6	51.1-141		%Rec	5	3/2/2022 6:48:08 PM	65806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/25/2022 8:46:00 PM	65784
Surr: BFB	108	70-130		%Rec	1	2/25/2022 8:46:00 PM	65784
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 8:46:00 PM	65784
Toluene	ND	0.048		mg/Kg	1	2/25/2022 8:46:00 PM	65784
Ethylbenzene	ND	0.048		mg/Kg	1	2/25/2022 8:46:00 PM	65784
Xylenes, Total	ND	0.097		mg/Kg	1	2/25/2022 8:46:00 PM	65784
Surr: 4-Bromofluorobenzene	91.3	70-130		%Rec	1	2/25/2022 8:46:00 PM	65784

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-132

Project: Jackson AT Battery

Collection Date: 2/22/2022 8:20:00 AM

Lab ID: 2202B29-005

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	660	60		mg/Kg	20	3/2/2022 3:42:39 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	2/28/2022 1:36:50 PM	65806
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	2/28/2022 1:36:50 PM	65806
Surr: DNOP	101	51.1-141		%Rec	1	2/28/2022 1:36:50 PM	65806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2022 9:06:00 PM	65784
Surr: BFB	107	70-130		%Rec	1	2/25/2022 9:06:00 PM	65784
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/25/2022 9:06:00 PM	65784
Toluene	ND	0.047		mg/Kg	1	2/25/2022 9:06:00 PM	65784
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2022 9:06:00 PM	65784
Xylenes, Total	ND	0.095		mg/Kg	1	2/25/2022 9:06:00 PM	65784
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	2/25/2022 9:06:00 PM	65784

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-133

Project: Jackson AT Battery

Collection Date: 2/22/2022 9:00:00 AM

Lab ID: 2202B29-006

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1500	60		mg/Kg	20	3/2/2022 3:55:04 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	2/28/2022 2:01:15 PM	65806
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	2/28/2022 2:01:15 PM	65806
Surr: DNOP	106	51.1-141		%Rec	1	2/28/2022 2:01:15 PM	65806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/25/2022 9:26:00 PM	65784
Surr: BFB	103	70-130		%Rec	1	2/25/2022 9:26:00 PM	65784
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/25/2022 9:26:00 PM	65784
Toluene	ND	0.049		mg/Kg	1	2/25/2022 9:26:00 PM	65784
Ethylbenzene	ND	0.049		mg/Kg	1	2/25/2022 9:26:00 PM	65784
Xylenes, Total	ND	0.098		mg/Kg	1	2/25/2022 9:26:00 PM	65784
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	2/25/2022 9:26:00 PM	65784

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-134

Project: Jackson AT Battery

Collection Date: 2/22/2022 9:05:00 AM

Lab ID: 2202B29-007

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2000	60		mg/Kg	20	3/2/2022 4:07:28 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	2/28/2022 2:25:42 PM	65806
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/28/2022 2:25:42 PM	65806
Surr: DNOP	107	51.1-141		%Rec	1	2/28/2022 2:25:42 PM	65806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/25/2022 9:45:00 PM	65784
Surr: BFB	105	70-130		%Rec	1	2/25/2022 9:45:00 PM	65784
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/25/2022 9:45:00 PM	65784
Toluene	ND	0.047		mg/Kg	1	2/25/2022 9:45:00 PM	65784
Ethylbenzene	ND	0.047		mg/Kg	1	2/25/2022 9:45:00 PM	65784
Xylenes, Total	ND	0.093		mg/Kg	1	2/25/2022 9:45:00 PM	65784
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	2/25/2022 9:45:00 PM	65784

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-135

Project: Jackson AT Battery

Collection Date: 2/22/2022 9:10:00 AM

Lab ID: 2202B29-008

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	2800	150		mg/Kg	50	3/3/2022 12:57:40 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	2/28/2022 2:50:13 PM	65806
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	2/28/2022 2:50:13 PM	65806
Surr: DNOP	110	51.1-141		%Rec	1	2/28/2022 2:50:13 PM	65806
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	2/25/2022 10:05:00 PM	65784
Surr: BFB	105	70-130		%Rec	1	2/25/2022 10:05:00 PM	65784
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/25/2022 10:05:00 PM	65784
Toluene	ND	0.046		mg/Kg	1	2/25/2022 10:05:00 PM	65784
Ethylbenzene	ND	0.046		mg/Kg	1	2/25/2022 10:05:00 PM	65784
Xylenes, Total	ND	0.092		mg/Kg	1	2/25/2022 10:05:00 PM	65784
Surr: 4-Bromofluorobenzene	89.3	70-130		%Rec	1	2/25/2022 10:05:00 PM	65784

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-136

Project: Jackson AT Battery

Collection Date: 2/22/2022 9:15:00 AM

Lab ID: 2202B29-009

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	2100	60		mg/Kg	20	3/2/2022 4:32:17 PM	65892
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/1/2022 9:51:07 AM	65799
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/1/2022 9:51:07 AM	65799
Surr: DNOP	110	51.1-141		%Rec	1	3/1/2022 9:51:07 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/26/2022 12:23:00 AM	65786
Surr: BFB	104	70-130		%Rec	1	2/26/2022 12:23:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/26/2022 12:23:00 AM	65786
Toluene	ND	0.049		mg/Kg	1	2/26/2022 12:23:00 AM	65786
Ethylbenzene	ND	0.049		mg/Kg	1	2/26/2022 12:23:00 AM	65786
Xylenes, Total	ND	0.099		mg/Kg	1	2/26/2022 12:23:00 AM	65786
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	2/26/2022 12:23:00 AM	65786

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-137

Project: Jackson AT Battery

Collection Date: 2/22/2022 9:20:00 AM

Lab ID: 2202B29-010

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	860	61		mg/Kg	20	3/2/2022 5:34:19 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/1/2022 10:01:57 AM	65799
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/1/2022 10:01:57 AM	65799
Surr: DNOP	95.7	51.1-141		%Rec	1	3/1/2022 10:01:57 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/26/2022 1:22:00 AM	65786
Surr: BFB	103	70-130		%Rec	1	2/26/2022 1:22:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 1:22:00 AM	65786
Toluene	ND	0.047		mg/Kg	1	2/26/2022 1:22:00 AM	65786
Ethylbenzene	ND	0.047		mg/Kg	1	2/26/2022 1:22:00 AM	65786
Xylenes, Total	ND	0.095		mg/Kg	1	2/26/2022 1:22:00 AM	65786
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	2/26/2022 1:22:00 AM	65786

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

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

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-138

Project: Jackson AT Battery

Collection Date: 2/22/2022 9:25:00 AM

Lab ID: 2202B29-011

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1200	60		mg/Kg	20	3/2/2022 5:46:43 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	30	9.2		mg/Kg	1	3/2/2022 3:59:21 AM	65799
Motor Oil Range Organics (MRO)	150	46		mg/Kg	1	3/2/2022 3:59:21 AM	65799
Surr: DNOP	97.0	51.1-141		%Rec	1	3/2/2022 3:59:21 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/26/2022 2:21:00 AM	65786
Surr: BFB	107	70-130		%Rec	1	2/26/2022 2:21:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 2:21:00 AM	65786
Toluene	ND	0.049		mg/Kg	1	2/26/2022 2:21:00 AM	65786
Ethylbenzene	ND	0.049		mg/Kg	1	2/26/2022 2:21:00 AM	65786
Xylenes, Total	ND	0.097		mg/Kg	1	2/26/2022 2:21:00 AM	65786
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	2/26/2022 2:21:00 AM	65786

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-139

Project: Jackson AT Battery

Collection Date: 2/22/2022 9:30:00 AM

Lab ID: 2202B29-012

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1600	59		mg/Kg	20	3/2/2022 5:59:07 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	120	44		mg/Kg	5	3/2/2022 4:20:12 AM	65799
Motor Oil Range Organics (MRO)	540	220		mg/Kg	5	3/2/2022 4:20:12 AM	65799
Surr: DNOP	74.8	51.1-141		%Rec	5	3/2/2022 4:20:12 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/26/2022 2:40:00 AM	65786
Surr: BFB	109	70-130		%Rec	1	2/26/2022 2:40:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 2:40:00 AM	65786
Toluene	ND	0.048		mg/Kg	1	2/26/2022 2:40:00 AM	65786
Ethylbenzene	ND	0.048		mg/Kg	1	2/26/2022 2:40:00 AM	65786
Xylenes, Total	ND	0.096		mg/Kg	1	2/26/2022 2:40:00 AM	65786
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	2/26/2022 2:40:00 AM	65786

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-140

Project: Jackson AT Battery

Collection Date: 2/22/2022 10:00:00 AM

Lab ID: 2202B29-013

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1000	60		mg/Kg	20	3/2/2022 6:11:31 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/1/2022 10:34:26 AM	65799
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/1/2022 10:34:26 AM	65799
Surr: DNOP	93.9	51.1-141		%Rec	1	3/1/2022 10:34:26 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/26/2022 3:00:00 AM	65786
Surr: BFB	105	70-130		%Rec	1	2/26/2022 3:00:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 3:00:00 AM	65786
Toluene	ND	0.048		mg/Kg	1	2/26/2022 3:00:00 AM	65786
Ethylbenzene	ND	0.048		mg/Kg	1	2/26/2022 3:00:00 AM	65786
Xylenes, Total	ND	0.096		mg/Kg	1	2/26/2022 3:00:00 AM	65786
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	2/26/2022 3:00:00 AM	65786

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-141

Project: Jackson AT Battery

Collection Date: 2/22/2022 10:05:00 AM

Lab ID: 2202B29-014

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	950	60		mg/Kg	20	3/2/2022 6:48:44 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	3/1/2022 10:45:12 AM	65799
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/1/2022 10:45:12 AM	65799
Surr: DNOP	103	51.1-141		%Rec	1	3/1/2022 10:45:12 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/26/2022 3:19:00 AM	65786
Surr: BFB	106	70-130		%Rec	1	2/26/2022 3:19:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 3:19:00 AM	65786
Toluene	ND	0.048		mg/Kg	1	2/26/2022 3:19:00 AM	65786
Ethylbenzene	ND	0.048		mg/Kg	1	2/26/2022 3:19:00 AM	65786
Xylenes, Total	ND	0.095		mg/Kg	1	2/26/2022 3:19:00 AM	65786
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	2/26/2022 3:19:00 AM	65786

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

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

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-142

Project: Jackson AT Battery

Collection Date: 2/22/2022 10:10:00 AM

Lab ID: 2202B29-015

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	3/2/2022 7:50:47 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	3/1/2022 10:56:16 AM	65799
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/1/2022 10:56:16 AM	65799
Surr: DNOP	92.4	51.1-141		%Rec	1	3/1/2022 10:56:16 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	2/26/2022 3:39:00 AM	65786
Surr: BFB	106	70-130		%Rec	1	2/26/2022 3:39:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/26/2022 3:39:00 AM	65786
Toluene	ND	0.050		mg/Kg	1	2/26/2022 3:39:00 AM	65786
Ethylbenzene	ND	0.050		mg/Kg	1	2/26/2022 3:39:00 AM	65786
Xylenes, Total	ND	0.10		mg/Kg	1	2/26/2022 3:39:00 AM	65786
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	2/26/2022 3:39:00 AM	65786

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-143

Project: Jackson AT Battery

Collection Date: 2/22/2022 10:15:00 AM

Lab ID: 2202B29-016

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1000	61		mg/Kg	20	3/2/2022 8:03:12 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/1/2022 11:07:01 AM	65799
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/1/2022 11:07:01 AM	65799
Surr: DNOP	91.4	51.1-141		%Rec	1	3/1/2022 11:07:01 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/26/2022 3:59:00 AM	65786
Surr: BFB	103	70-130		%Rec	1	2/26/2022 3:59:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/26/2022 3:59:00 AM	65786
Toluene	ND	0.047		mg/Kg	1	2/26/2022 3:59:00 AM	65786
Ethylbenzene	ND	0.047		mg/Kg	1	2/26/2022 3:59:00 AM	65786
Xylenes, Total	ND	0.094		mg/Kg	1	2/26/2022 3:59:00 AM	65786
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	2/26/2022 3:59:00 AM	65786

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-144

Project: Jackson AT Battery

Collection Date: 2/22/2022 10:20:00 AM

Lab ID: 2202B29-017

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	3/2/2022 8:15:36 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/1/2022 11:17:43 AM	65799
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/1/2022 11:17:43 AM	65799
Surr: DNOP	90.6	51.1-141		%Rec	1	3/1/2022 11:17:43 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/26/2022 4:18:00 AM	65786
Surr: BFB	110	70-130		%Rec	1	2/26/2022 4:18:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 4:18:00 AM	65786
Toluene	ND	0.047		mg/Kg	1	2/26/2022 4:18:00 AM	65786
Ethylbenzene	ND	0.047		mg/Kg	1	2/26/2022 4:18:00 AM	65786
Xylenes, Total	ND	0.095		mg/Kg	1	2/26/2022 4:18:00 AM	65786
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	2/26/2022 4:18:00 AM	65786

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

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

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-145

Project: Jackson AT Battery

Collection Date: 2/22/2022 10:25:00 AM

Lab ID: 2202B29-018

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1600	60		mg/Kg	20	3/2/2022 8:28:01 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/1/2022 11:28:26 AM	65799
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/1/2022 11:28:26 AM	65799
Surr: DNOP	96.8	51.1-141		%Rec	1	3/1/2022 11:28:26 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/26/2022 4:38:00 AM	65786
Surr: BFB	103	70-130		%Rec	1	2/26/2022 4:38:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 4:38:00 AM	65786
Toluene	ND	0.048		mg/Kg	1	2/26/2022 4:38:00 AM	65786
Ethylbenzene	ND	0.048		mg/Kg	1	2/26/2022 4:38:00 AM	65786
Xylenes, Total	ND	0.096		mg/Kg	1	2/26/2022 4:38:00 AM	65786
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	2/26/2022 4:38:00 AM	65786

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-146

Project: Jackson AT Battery

Collection Date: 2/22/2022 11:05:00 AM

Lab ID: 2202B29-019

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	940	60		mg/Kg	20	3/2/2022 8:40:26 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	3/1/2022 11:39:09 AM	65799
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/1/2022 11:39:09 AM	65799
Surr: DNOP	99.8	51.1-141		%Rec	1	3/1/2022 11:39:09 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/26/2022 5:36:00 AM	65786
Surr: BFB	109	70-130		%Rec	1	2/26/2022 5:36:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 5:36:00 AM	65786
Toluene	ND	0.049		mg/Kg	1	2/26/2022 5:36:00 AM	65786
Ethylbenzene	ND	0.049		mg/Kg	1	2/26/2022 5:36:00 AM	65786
Xylenes, Total	ND	0.098		mg/Kg	1	2/26/2022 5:36:00 AM	65786
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	2/26/2022 5:36:00 AM	65786

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

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

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-147

Project: Jackson AT Battery

Collection Date: 2/22/2022 11:10:00 AM

Lab ID: 2202B29-020

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	910	59		mg/Kg	20	3/2/2022 8:52:51 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	78	9.3		mg/Kg	1	3/2/2022 4:41:04 AM	65799
Motor Oil Range Organics (MRO)	120	47		mg/Kg	1	3/2/2022 4:41:04 AM	65799
Surr: DNOP	106	51.1-141		%Rec	1	3/2/2022 4:41:04 AM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/26/2022 5:56:00 AM	65786
Surr: BFB	116	70-130		%Rec	1	2/26/2022 5:56:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 5:56:00 AM	65786
Toluene	ND	0.049		mg/Kg	1	2/26/2022 5:56:00 AM	65786
Ethylbenzene	ND	0.049		mg/Kg	1	2/26/2022 5:56:00 AM	65786
Xylenes, Total	ND	0.098		mg/Kg	1	2/26/2022 5:56:00 AM	65786
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	2/26/2022 5:56:00 AM	65786

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

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

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-148

Project: Jackson AT Battery

Collection Date: 2/22/2022 11:15:00 AM

Lab ID: 2202B29-021

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	980	60		mg/Kg	20	3/2/2022 9:05:15 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	43	9.6		mg/Kg	1	3/2/2022 7:20:29 PM	65799
Motor Oil Range Organics (MRO)	71	48		mg/Kg	1	3/2/2022 7:20:29 PM	65799
Surr: DNOP	137	51.1-141		%Rec	1	3/2/2022 7:20:29 PM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	5	2/26/2022 6:15:00 AM	65786
Surr: BFB	112	70-130		%Rec	5	2/26/2022 6:15:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	5	2/26/2022 6:15:00 AM	65786
Toluene	ND	0.047		mg/Kg	5	2/26/2022 6:15:00 AM	65786
Ethylbenzene	ND	0.047		mg/Kg	5	2/26/2022 6:15:00 AM	65786
Xylenes, Total	ND	0.094		mg/Kg	5	2/26/2022 6:15:00 AM	65786
Surr: 4-Bromofluorobenzene	98.4	70-130		%Rec	5	2/26/2022 6:15:00 AM	65786

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

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

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-149

Project: Jackson AT Battery

Collection Date: 2/22/2022 11:20:00 AM

Lab ID: 2202B29-022

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1300	60		mg/Kg	20	3/2/2022 9:17:39 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/1/2022 12:11:11 PM	65799
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/1/2022 12:11:11 PM	65799
Surr: DNOP	89.5	51.1-141		%Rec	1	3/1/2022 12:11:11 PM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	2/26/2022 6:35:00 AM	65786
Surr: BFB	117	70-130		%Rec	1	2/26/2022 6:35:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	2/26/2022 6:35:00 AM	65786
Toluene	ND	0.047		mg/Kg	1	2/26/2022 6:35:00 AM	65786
Ethylbenzene	ND	0.047		mg/Kg	1	2/26/2022 6:35:00 AM	65786
Xylenes, Total	ND	0.094		mg/Kg	1	2/26/2022 6:35:00 AM	65786
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	2/26/2022 6:35:00 AM	65786

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

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

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Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-150

Project: Jackson AT Battery

Collection Date: 2/22/2022 11:25:00 AM

Lab ID: 2202B29-023

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	550	60		mg/Kg	20	3/2/2022 9:54:51 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/1/2022 12:21:50 PM	65799
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/1/2022 12:21:50 PM	65799
Surr: DNOP	91.7	51.1-141		%Rec	1	3/1/2022 12:21:50 PM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/26/2022 6:55:00 AM	65786
Surr: BFB	116	70-130		%Rec	1	2/26/2022 6:55:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 6:55:00 AM	65786
Toluene	ND	0.048		mg/Kg	1	2/26/2022 6:55:00 AM	65786
Ethylbenzene	ND	0.048		mg/Kg	1	2/26/2022 6:55:00 AM	65786
Xylenes, Total	ND	0.096		mg/Kg	1	2/26/2022 6:55:00 AM	65786
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/26/2022 6:55:00 AM	65786

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

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

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-24

Project: Jackson AT Battery

Collection Date: 2/22/2022 1:00:00 PM

Lab ID: 2202B29-024

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	340	60		mg/Kg	20	3/2/2022 10:07:16 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	3/1/2022 12:32:30 PM	65799
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	3/1/2022 12:32:30 PM	65799
Surr: DNOP	99.2	51.1-141		%Rec	1	3/1/2022 12:32:30 PM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/26/2022 7:14:00 AM	65786
Surr: BFB	120	70-130		%Rec	1	2/26/2022 7:14:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 7:14:00 AM	65786
Toluene	ND	0.048		mg/Kg	1	2/26/2022 7:14:00 AM	65786
Ethylbenzene	ND	0.048		mg/Kg	1	2/26/2022 7:14:00 AM	65786
Xylenes, Total	ND	0.097		mg/Kg	1	2/26/2022 7:14:00 AM	65786
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/26/2022 7:14:00 AM	65786

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

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

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-25

Project: Jackson AT Battery

Collection Date: 2/22/2022 1:05:00 PM

Lab ID: 2202B29-025

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	200	60		mg/Kg	20	3/2/2022 10:19:40 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/1/2022 12:43:10 PM	65799
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/1/2022 12:43:10 PM	65799
Surr: DNOP	87.3	51.1-141		%Rec	1	3/1/2022 12:43:10 PM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/26/2022 7:34:00 AM	65786
Surr: BFB	117	70-130		%Rec	1	2/26/2022 7:34:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	2/26/2022 7:34:00 AM	65786
Toluene	ND	0.049		mg/Kg	1	2/26/2022 7:34:00 AM	65786
Ethylbenzene	ND	0.049		mg/Kg	1	2/26/2022 7:34:00 AM	65786
Xylenes, Total	ND	0.098		mg/Kg	1	2/26/2022 7:34:00 AM	65786
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	2/26/2022 7:34:00 AM	65786

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

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

Analytical Report

Lab Order 2202B29

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-26

Project: Jackson AT Battery

Collection Date: 2/22/2022 1:10:00 PM

Lab ID: 2202B29-026

Matrix: SOIL

Received Date: 2/24/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	130	61		mg/Kg	20	3/2/2022 10:32:05 PM	65907
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	3/1/2022 12:53:49 PM	65799
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/1/2022 12:53:49 PM	65799
Surr: DNOP	84.2	51.1-141		%Rec	1	3/1/2022 12:53:49 PM	65799
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/26/2022 7:53:00 AM	65786
Surr: BFB	127	70-130		%Rec	1	2/26/2022 7:53:00 AM	65786
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	2/26/2022 7:53:00 AM	65786
Toluene	ND	0.048		mg/Kg	1	2/26/2022 7:53:00 AM	65786
Ethylbenzene	ND	0.048		mg/Kg	1	2/26/2022 7:53:00 AM	65786
Xylenes, Total	ND	0.096		mg/Kg	1	2/26/2022 7:53:00 AM	65786
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	2/26/2022 7:53:00 AM	65786

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

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

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

WO#: 2202B29

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65892	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65892	RunNo: 86196								
Prep Date: 3/2/2022	Analysis Date: 3/2/2022	SeqNo: 3038465 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65892	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65892	RunNo: 86196								
Prep Date: 3/2/2022	Analysis Date: 3/2/2022	SeqNo: 3038466 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.0	90	110			

Sample ID: MB-65907	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65907	RunNo: 86196								
Prep Date: 3/2/2022	Analysis Date: 3/2/2022	SeqNo: 3038501 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65907	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65907	RunNo: 86196								
Prep Date: 3/2/2022	Analysis Date: 3/2/2022	SeqNo: 3038502 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.3	90	110			

Qualifiers:

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

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

WO#: 2202B29

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65806	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65806	RunNo: 86130								
Prep Date: 2/25/2022	Analysis Date: 2/28/2022	SeqNo: 3035171 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	68.9	135			
Surr: DNOP	5.2		5.000		104	51.1	141			

Sample ID: MB-65806	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65806	RunNo: 86130								
Prep Date: 2/25/2022	Analysis Date: 2/28/2022	SeqNo: 3035172 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	51.1	141			

Sample ID: MB-65799	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65799	RunNo: 86130								
Prep Date: 2/25/2022	Analysis Date: 2/28/2022	SeqNo: 3036100 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	51.1	141			

Sample ID: LCS-65799	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65799	RunNo: 86130								
Prep Date: 2/25/2022	Analysis Date: 2/28/2022	SeqNo: 3036101 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.3	68.9	135			
Surr: DNOP	5.1		5.000		102	51.1	141			

Sample ID: 2202B29-009AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-136	Batch ID: 65799	RunNo: 86129								
Prep Date: 2/25/2022	Analysis Date: 3/1/2022	SeqNo: 3036594 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.6	48.08	5.086	89.6	39.3	155			
Surr: DNOP	4.3		4.808		89.4	51.1	141			

Qualifiers:

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

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

WO#: 2202B29

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202B29-009AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-136	Batch ID: 65799	RunNo: 86129								
Prep Date: 2/25/2022	Analysis Date: 3/1/2022	SeqNo: 3036595	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.8	49.02	5.086	89.2	39.3	155	1.38	23.4	
Surr: DNOP	3.8		4.902		78.1	51.1	141	0	0	

Sample ID: 2202B29-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-128	Batch ID: 65806	RunNo: 86162								
Prep Date: 2/25/2022	Analysis Date: 3/2/2022	SeqNo: 3037253	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	240	9.7	48.31	168.4	143	39.3	155			
Surr: DNOP	4.3		4.831		90.0	51.1	141			

Sample ID: 2202B29-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-128	Batch ID: 65806	RunNo: 86162								
Prep Date: 2/25/2022	Analysis Date: 3/2/2022	SeqNo: 3037254	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	180	9.8	49.02	168.4	17.5	39.3	155	29.3	23.4	RS
Surr: DNOP	3.8		4.902		78.3	51.1	141	0	0	

Qualifiers:

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

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

WO#: 2202B29

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-65784	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65784			RunNo: 86123						
Prep Date: 2/24/2022	Analysis Date: 2/25/2022			SeqNo: 3034569		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	78.6	131			
Surr: BFB	1300		1000		129	70	130			

Sample ID: mb-65784	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65784			RunNo: 86123						
Prep Date: 2/24/2022	Analysis Date: 2/25/2022			SeqNo: 3034570		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		111	70	130			

Sample ID: lcs-65786	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 65786			RunNo: 86123						
Prep Date: 2/24/2022	Analysis Date: 2/25/2022			SeqNo: 3034593		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1200		1000		118	70	130			

Sample ID: mb-65786	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 65786			RunNo: 86123						
Prep Date: 2/24/2022	Analysis Date: 2/26/2022			SeqNo: 3034594		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		105	70	130			

Sample ID: 2202b29-009ams	SampType: MS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH-136	Batch ID: 65786			RunNo: 86123						
Prep Date: 2/24/2022	Analysis Date: 2/26/2022			SeqNo: 3034596		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.9	24.70	0	119	70	130			
Surr: BFB	1200		988.1		119	70	130			

Sample ID: 2202b29-009amsd	SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH-136	Batch ID: 65786			RunNo: 86123						
Prep Date: 2/24/2022	Analysis Date: 2/26/2022			SeqNo: 3034597		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: 2202B29
08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202b29-009amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: BH-136		Batch ID: 65786		RunNo: 86123						
Prep Date: 2/24/2022		Analysis Date: 2/26/2022		SeqNo: 3034597		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	4.9	24.44	0	122	70	130	1.35	20	
Surr: BFB	1200		977.5		122	70	130	0	0	

Qualifiers:

- *

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2202B29

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-65784	SampType: LCS				TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batch ID: 65784				RunNo: 86123					
Prep Date: 2/24/2022	Analysis Date: 2/25/2022				SeqNo: 3034622	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	100	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	103	80	120			
Xylenes, Total	3.1	0.10	3.000	0	104	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.3	70	130			

Sample ID: mb-65784	SampType: MBLK				TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch ID: 65784				RunNo: 86123					
Prep Date: 2/24/2022	Analysis Date: 2/25/2022				SeqNo: 3034623	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.98		1.000		97.8	70	130			

Sample ID: lcs-65786	SampType: LCS				TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batch ID: 65786				RunNo: 86123					
Prep Date: 2/24/2022	Analysis Date: 2/25/2022				SeqNo: 3034646	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	95.0	80	120			
Toluene	0.97	0.050	1.000	0	97.3	80	120			
Ethylbenzene	0.98	0.050	1.000	0	98.1	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.8	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130			

Sample ID: mb-65786	SampType: MBLK				TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch ID: 65786				RunNo: 86123					
Prep Date: 2/24/2022	Analysis Date: 2/26/2022				SeqNo: 3034647	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130			

Qualifiers:

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

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

WO#: 2202B29

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202b29-010ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-137	Batch ID: 65786	RunNo: 86123								
Prep Date: 2/24/2022	Analysis Date: 2/26/2022	SeqNo: 3034650	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	0.9960	0	98.2	80	120			
Toluene	1.0	0.050	0.9960	0	101	80	120			
Ethylbenzene	1.0	0.050	0.9960	0	103	80	120			
Xylenes, Total	3.1	0.10	2.988	0	103	80	120			
Surr: 4-Bromofluorobenzene	0.91		0.9960		91.4	70	130			

Sample ID: 2202b29-010amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-137	Batch ID: 65786	RunNo: 86123								
Prep Date: 2/24/2022	Analysis Date: 2/26/2022	SeqNo: 3034651	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	0.9930	0	97.9	80	120	0.637	20	
Toluene	1.0	0.050	0.9930	0	101	80	120	0.713	20	
Ethylbenzene	1.0	0.050	0.9930	0	102	80	120	0.773	20	
Xylenes, Total	3.0	0.099	2.979	0	102	80	120	0.814	20	
Surr: 4-Bromofluorobenzene	0.91		0.9930		91.4	70	130	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2202B29

RcptNo: 1

Received By: Joseph Alderette 2/24/2022 8:00:00 AM

Completed By: Tracy Casarrubias 2/24/2022 8:28:34 AM

Reviewed By: JR 2/24/22

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH: 2
(<2 or >12 unless noted)
Adjusted? Yes
Checked by: JR 2-24-22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good	Yes			

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Sackson AT Battery

Project #:

11229324

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CP): 1.5 - 0.1 = 1.4°C

Container

Type and #

Preservative

Type

HEAL No.

013

014

015

016

017

018

019

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

March 08, 2022

Becky Haskell
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX:

RE: Jackson AT Battery

OrderNo.: 2202C07

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 3 sample(s) on 2/25/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2202C07

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-151

Project: Jackson AT Battery

Collection Date: 2/23/2022 1:15:00 PM

Lab ID: 2202C07-001

Matrix: SOIL

Received Date: 2/25/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	3/3/2022 5:21:30 AM	65909
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	3/2/2022 12:33:05 PM	65852
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/2/2022 12:33:05 PM	65852
Surr: DNOP	94.2	51.1-141		%Rec	1	3/2/2022 12:33:05 PM	65852
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/28/2022 3:12:58 PM	65809
Surr: BFB	112	70-130		%Rec	1	2/28/2022 3:12:58 PM	65809
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/28/2022 3:12:58 PM	65809
Toluene	ND	0.049		mg/Kg	1	2/28/2022 3:12:58 PM	65809
Ethylbenzene	ND	0.049		mg/Kg	1	2/28/2022 3:12:58 PM	65809
Xylenes, Total	ND	0.098		mg/Kg	1	2/28/2022 3:12:58 PM	65809
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	2/28/2022 3:12:58 PM	65809

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

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

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Analytical Report

Lab Order 2202C07

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-152

Project: Jackson AT Battery

Collection Date: 2/23/2022 1:20:00 PM

Lab ID: 2202C07-002

Matrix: SOIL

Received Date: 2/25/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1000	60		mg/Kg	20	3/3/2022 5:33:54 AM	65909
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/2/2022 12:43:54 PM	65852
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	3/2/2022 12:43:54 PM	65852
Surr: DNOP	126	51.1-141		%Rec	1	3/2/2022 12:43:54 PM	65852
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	2/28/2022 3:36:21 PM	65809
Surr: BFB	107	70-130		%Rec	1	2/28/2022 3:36:21 PM	65809
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	2/28/2022 3:36:21 PM	65809
Toluene	ND	0.049		mg/Kg	1	2/28/2022 3:36:21 PM	65809
Ethylbenzene	ND	0.049		mg/Kg	1	2/28/2022 3:36:21 PM	65809
Xylenes, Total	ND	0.098		mg/Kg	1	2/28/2022 3:36:21 PM	65809
Surr: 4-Bromofluorobenzene	99.9	70-130		%Rec	1	2/28/2022 3:36:21 PM	65809

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

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

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Analytical Report

Lab Order 2202C07

Date Reported: 3/8/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-153

Project: Jackson AT Battery

Collection Date: 2/23/2022 1:25:00 PM

Lab ID: 2202C07-003

Matrix: SOIL

Received Date: 2/25/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: JMT
Chloride	1100	60		mg/Kg	20	3/3/2022 5:46:19 AM	65909
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	3/2/2022 12:54:45 PM	65852
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/2/2022 12:54:45 PM	65852
Surr: DNOP	106	51.1-141		%Rec	1	3/2/2022 12:54:45 PM	65852
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	2/28/2022 5:10:01 PM	65809
Surr: BFB	106	70-130		%Rec	1	2/28/2022 5:10:01 PM	65809
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	2/28/2022 5:10:01 PM	65809
Toluene	ND	0.048		mg/Kg	1	2/28/2022 5:10:01 PM	65809
Ethylbenzene	ND	0.048		mg/Kg	1	2/28/2022 5:10:01 PM	65809
Xylenes, Total	ND	0.097		mg/Kg	1	2/28/2022 5:10:01 PM	65809
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	2/28/2022 5:10:01 PM	65809

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

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

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

WO#: 2202C07

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65909	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65909	RunNo: 86196								
Prep Date: 3/2/2022	Analysis Date: 3/2/2022	SeqNo: 3038531	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65909	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65909	RunNo: 86196								
Prep Date: 3/2/2022	Analysis Date: 3/2/2022	SeqNo: 3038532	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

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

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

WO#: 2202C07

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2202C07-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-151	Batch ID: 65852	RunNo: 86180								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038757 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	9.2	46.13	4.726	111	39.3	155			
Surr: DNOP	5.4		4.613		117	51.1	141			

Sample ID: 2202C07-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-151	Batch ID: 65852	RunNo: 86180								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038758 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	54	9.2	45.83	4.726	108	39.3	155	3.42	23.4	
Surr: DNOP	5.0		4.583		110	51.1	141	0	0	

Sample ID: LCS-65852	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65852	RunNo: 86180								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038792 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.1	68.9	135			
Surr: DNOP	4.5		5.000		89.4	51.1	141			

Sample ID: MB-65852	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65852	RunNo: 86180								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038794 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	51.1	141			

Qualifiers:

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

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

WO#: 2202C07

08-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65809	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65809	RunNo: 86141								
Prep Date: 2/25/2022	Analysis Date: 2/28/2022	SeqNo: 3035700		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		106	70	130			

Sample ID: lcs-65809	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65809	RunNo: 86141								
Prep Date: 2/25/2022	Analysis Date: 2/28/2022	SeqNo: 3035701		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	78.6	131			
Surr: BFB	1200		1000		117	70	130			

Qualifiers:

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

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

WO#: 2202C07

08-Mar-22

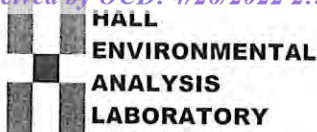
Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65809	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65809	RunNo: 86141								
Prep Date: 2/25/2022	Analysis Date: 2/28/2022	SeqNo: 3035742	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: LCS-65809	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65809	RunNo: 86141								
Prep Date: 2/25/2022	Analysis Date: 2/28/2022	SeqNo: 3035743	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.0	80	120			
Toluene	0.96	0.050	1.000	0	95.5	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2202C07

RcptNo: 1

Received By: Cheyenne Cason 2/25/2022 8:00:00 AM

CC

Completed By: Desiree Dominguez 2/25/2022 8:15:10 AM

*DD*Reviewed By: *mr 2/25/22*Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted?

Checked by: *KPG 2/25/22*Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified:

Date:

By Whom:

Via:

☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.7	Good				



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

March 10, 2022

Becky Haskell
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX

RE: Jackson AT Battery

OrderNo.: 2203007

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 17 sample(s) on 3/1/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-154

Project: Jackson AT Battery

Collection Date: 2/24/2022 8:00:00 AM

Lab ID: 2203007-001

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1300	60		mg/Kg	20	3/7/2022 6:33:13 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	51	9.9		mg/Kg	1	3/7/2022 12:11:25 PM	65926
Motor Oil Range Organics (MRO)	93	49		mg/Kg	1	3/7/2022 12:11:25 PM	65926
Surr: DNOP	87.0	51.1-141		%Rec	1	3/7/2022 12:11:25 PM	65926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	3/3/2022 2:06:00 AM	65876
Surr: BFB	105	70-130		%Rec	5	3/3/2022 2:06:00 AM	65876
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/3/2022 2:06:00 AM	65876
Toluene	ND	0.049		mg/Kg	1	3/3/2022 2:06:00 AM	65876
Ethylbenzene	ND	0.049		mg/Kg	1	3/3/2022 2:06:00 AM	65876
Xylenes, Total	ND	0.099		mg/Kg	1	3/3/2022 2:06:00 AM	65876
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	3/3/2022 2:06:00 AM	65876

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

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

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Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-155

Project: Jackson AT Battery

Collection Date: 2/24/2022 8:05:00 AM

Lab ID: 2203007-002

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1700	60		mg/Kg	20	3/7/2022 6:45:38 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	180	9.6		mg/Kg	1	3/7/2022 12:39:34 PM	65926
Motor Oil Range Organics (MRO)	260	48		mg/Kg	1	3/7/2022 12:39:34 PM	65926
Surr: DNOP	81.8	51.1-141		%Rec	1	3/7/2022 12:39:34 PM	65926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/3/2022 2:26:00 AM	65876
Surr: BFB	97.5	70-130		%Rec	1	3/3/2022 2:26:00 AM	65876
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/3/2022 2:26:00 AM	65876
Toluene	ND	0.050		mg/Kg	1	3/3/2022 2:26:00 AM	65876
Ethylbenzene	ND	0.050		mg/Kg	1	3/3/2022 2:26:00 AM	65876
Xylenes, Total	ND	0.10		mg/Kg	1	3/3/2022 2:26:00 AM	65876
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	3/3/2022 2:26:00 AM	65876

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

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

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Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-156

Project: Jackson AT Battery

Collection Date: 2/24/2022 8:10:00 AM

Lab ID: 2203007-003

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1100	60		mg/Kg	20	3/7/2022 6:58:02 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	32	9.5		mg/Kg	1	3/7/2022 1:07:50 PM	65926
Motor Oil Range Organics (MRO)	110	47		mg/Kg	1	3/7/2022 1:07:50 PM	65926
Surr: DNOP	76.7	51.1-141		%Rec	1	3/7/2022 1:07:50 PM	65926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/3/2022 2:46:00 AM	65876
Surr: BFB	101	70-130		%Rec	1	3/3/2022 2:46:00 AM	65876
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/3/2022 2:46:00 AM	65876
Toluene	ND	0.049		mg/Kg	1	3/3/2022 2:46:00 AM	65876
Ethylbenzene	ND	0.049		mg/Kg	1	3/3/2022 2:46:00 AM	65876
Xylenes, Total	ND	0.099		mg/Kg	1	3/3/2022 2:46:00 AM	65876
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	3/3/2022 2:46:00 AM	65876

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

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

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Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-157

Project: Jackson AT Battery

Collection Date: 2/24/2022 9:00:00 AM

Lab ID: 2203007-004

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	3100	150		mg/Kg	50	3/8/2022 11:58:10 AM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	150	9.4		mg/Kg	1	3/7/2022 1:35:57 PM	65926
Motor Oil Range Organics (MRO)	170	47		mg/Kg	1	3/7/2022 1:35:57 PM	65926
Surr: DNOP	79.8	51.1-141		%Rec	1	3/7/2022 1:35:57 PM	65926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/3/2022 3:05:00 AM	65876
Surr: BFB	101	70-130		%Rec	1	3/3/2022 3:05:00 AM	65876
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/3/2022 3:05:00 AM	65876
Toluene	ND	0.050		mg/Kg	1	3/3/2022 3:05:00 AM	65876
Ethylbenzene	ND	0.050		mg/Kg	1	3/3/2022 3:05:00 AM	65876
Xylenes, Total	ND	0.10		mg/Kg	1	3/3/2022 3:05:00 AM	65876
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	3/3/2022 3:05:00 AM	65876

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

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

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Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-158

Project: Jackson AT Battery

Collection Date: 2/24/2022 9:05:00 AM

Lab ID: 2203007-005

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2400	150		mg/Kg	50	3/8/2022 12:10:31 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	250	49		mg/Kg	5	3/7/2022 2:04:28 PM	65926
Motor Oil Range Organics (MRO)	380	240		mg/Kg	5	3/7/2022 2:04:28 PM	65926
Surr: DNOP	84.2	51.1-141		%Rec	5	3/7/2022 2:04:28 PM	65926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/3/2022 3:25:00 AM	65876
Surr: BFB	99.8	70-130		%Rec	1	3/3/2022 3:25:00 AM	65876
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/3/2022 3:25:00 AM	65876
Toluene	ND	0.048		mg/Kg	1	3/3/2022 3:25:00 AM	65876
Ethylbenzene	ND	0.048		mg/Kg	1	3/3/2022 3:25:00 AM	65876
Xylenes, Total	ND	0.096		mg/Kg	1	3/3/2022 3:25:00 AM	65876
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	3/3/2022 3:25:00 AM	65876

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

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

Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-159

Project: Jackson AT Battery

Collection Date: 2/24/2022 9:10:00 AM

Lab ID: 2203007-006

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1600	60		mg/Kg	20	3/7/2022 8:00:06 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	390	49		mg/Kg	5	3/7/2022 2:33:01 PM	65926
Motor Oil Range Organics (MRO)	620	250		mg/Kg	5	3/7/2022 2:33:01 PM	65926
Surr: DNOP	86.2	51.1-141		%Rec	5	3/7/2022 2:33:01 PM	65926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/3/2022 3:45:00 AM	65876
Surr: BFB	99.3	70-130		%Rec	1	3/3/2022 3:45:00 AM	65876
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/3/2022 3:45:00 AM	65876
Toluene	ND	0.050		mg/Kg	1	3/3/2022 3:45:00 AM	65876
Ethylbenzene	ND	0.050		mg/Kg	1	3/3/2022 3:45:00 AM	65876
Xylenes, Total	ND	0.10		mg/Kg	1	3/3/2022 3:45:00 AM	65876
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	3/3/2022 3:45:00 AM	65876

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

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

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Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-160

Project: Jackson AT Battery

Collection Date: 2/24/2022 10:00:00 AM

Lab ID: 2203007-007

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1500	60		mg/Kg	20	3/7/2022 8:12:30 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	140	46		mg/Kg	5	3/7/2022 3:01:39 PM	65926
Motor Oil Range Organics (MRO)	300	230		mg/Kg	5	3/7/2022 3:01:39 PM	65926
Surr: DNOP	81.8	51.1-141		%Rec	5	3/7/2022 3:01:39 PM	65926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/3/2022 4:05:00 AM	65876
Surr: BFB	102	70-130		%Rec	1	3/3/2022 4:05:00 AM	65876
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/3/2022 4:05:00 AM	65876
Toluene	ND	0.048		mg/Kg	1	3/3/2022 4:05:00 AM	65876
Ethylbenzene	ND	0.048		mg/Kg	1	3/3/2022 4:05:00 AM	65876
Xylenes, Total	ND	0.096		mg/Kg	1	3/3/2022 4:05:00 AM	65876
Surr: 4-Bromofluorobenzene	87.9	70-130		%Rec	1	3/3/2022 4:05:00 AM	65876

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

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

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Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-161

Project: Jackson AT Battery

Collection Date: 2/24/2022 10:05:00 AM

Lab ID: 2203007-008

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	720	60		mg/Kg	20	3/8/2022 2:12:29 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	80	9.5		mg/Kg	1	3/4/2022 2:08:33 PM	65900
Motor Oil Range Organics (MRO)	110	48		mg/Kg	1	3/4/2022 2:08:33 PM	65900
Surr: DNOP	74.1	51.1-141		%Rec	1	3/4/2022 2:08:33 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/2/2022 9:15:59 PM	65884
Surr: BFB	104	70-130		%Rec	1	3/2/2022 9:15:59 PM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/2/2022 9:15:59 PM	65884
Toluene	ND	0.050		mg/Kg	1	3/2/2022 9:15:59 PM	65884
Ethylbenzene	ND	0.050		mg/Kg	1	3/2/2022 9:15:59 PM	65884
Xylenes, Total	ND	0.099		mg/Kg	1	3/2/2022 9:15:59 PM	65884
Surr: 4-Bromofluorobenzene	99.0	70-130		%Rec	1	3/2/2022 9:15:59 PM	65884

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

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

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Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-162

Project: Jackson AT Battery

Collection Date: 2/24/2022 10:10:00 AM

Lab ID: 2203007-009

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	2400	60		mg/Kg	20	3/8/2022 2:24:53 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	230	49		mg/Kg	5	3/7/2022 3:58:49 PM	65900
Motor Oil Range Organics (MRO)	360	240		mg/Kg	5	3/7/2022 3:58:49 PM	65900
Surr: DNOP	94.8	51.1-141		%Rec	5	3/7/2022 3:58:49 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	3/2/2022 10:26:07 PM	65884
Surr: BFB	108	70-130		%Rec	5	3/2/2022 10:26:07 PM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	3/2/2022 10:26:07 PM	65884
Toluene	ND	0.25		mg/Kg	5	3/2/2022 10:26:07 PM	65884
Ethylbenzene	ND	0.25		mg/Kg	5	3/2/2022 10:26:07 PM	65884
Xylenes, Total	ND	0.49		mg/Kg	5	3/2/2022 10:26:07 PM	65884
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	3/2/2022 10:26:07 PM	65884

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

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

Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-163

Project: Jackson AT Battery

Collection Date: 2/24/2022 11:00:00 AM

Lab ID: 2203007-010

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1600	60		mg/Kg	20	3/8/2022 3:02:09 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	190	9.9		mg/Kg	1	3/4/2022 2:53:09 PM	65900
Motor Oil Range Organics (MRO)	210	50		mg/Kg	1	3/4/2022 2:53:09 PM	65900
Surr: DNOP	83.1	51.1-141		%Rec	1	3/4/2022 2:53:09 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/2/2022 11:36:42 PM	65884
Surr: BFB	107	70-130		%Rec	1	3/2/2022 11:36:42 PM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/2/2022 11:36:42 PM	65884
Toluene	ND	0.048		mg/Kg	1	3/2/2022 11:36:42 PM	65884
Ethylbenzene	ND	0.048		mg/Kg	1	3/2/2022 11:36:42 PM	65884
Xylenes, Total	ND	0.097		mg/Kg	1	3/2/2022 11:36:42 PM	65884
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	3/2/2022 11:36:42 PM	65884

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

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

Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-164

Project: Jackson AT Battery

Collection Date: 2/24/2022 11:05:00 AM

Lab ID: 2203007-011

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	2100	60		mg/Kg	20	3/8/2022 3:14:34 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	240	10		mg/Kg	1	3/4/2022 1:46:14 PM	65900
Motor Oil Range Organics (MRO)	220	50		mg/Kg	1	3/4/2022 1:46:14 PM	65900
Surr: DNOP	92.6	51.1-141		%Rec	1	3/4/2022 1:46:14 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/3/2022 12:00:13 AM	65884
Surr: BFB	109	70-130		%Rec	1	3/3/2022 12:00:13 AM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/3/2022 12:00:13 AM	65884
Toluene	ND	0.048		mg/Kg	1	3/3/2022 12:00:13 AM	65884
Ethylbenzene	ND	0.048		mg/Kg	1	3/3/2022 12:00:13 AM	65884
Xylenes, Total	ND	0.095		mg/Kg	1	3/3/2022 12:00:13 AM	65884
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	3/3/2022 12:00:13 AM	65884

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

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

Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-165

Project: Jackson AT Battery

Collection Date: 2/24/2022 11:10:00 AM

Lab ID: 2203007-012

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	810	60		mg/Kg	20	3/8/2022 3:26:59 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	280	47		mg/Kg	5	3/4/2022 4:44:36 PM	65900
Motor Oil Range Organics (MRO)	570	240		mg/Kg	5	3/4/2022 4:44:36 PM	65900
Surr: DNOP	81.8	51.1-141		%Rec	5	3/4/2022 4:44:36 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/3/2022 12:23:36 AM	65884
Surr: BFB	105	70-130		%Rec	1	3/3/2022 12:23:36 AM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/3/2022 12:23:36 AM	65884
Toluene	ND	0.049		mg/Kg	1	3/3/2022 12:23:36 AM	65884
Ethylbenzene	ND	0.049		mg/Kg	1	3/3/2022 12:23:36 AM	65884
Xylenes, Total	ND	0.099		mg/Kg	1	3/3/2022 12:23:36 AM	65884
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	3/3/2022 12:23:36 AM	65884

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

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

Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-166

Project: Jackson AT Battery

Collection Date: 2/24/2022 11:15:00 AM

Lab ID: 2203007-013

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	510	60		mg/Kg	20	3/8/2022 3:39:24 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/3/2022 2:14:24 PM	65900
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/3/2022 2:14:24 PM	65900
Surr: DNOP	70.3	51.1-141		%Rec	1	3/3/2022 2:14:24 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/3/2022 12:47:13 AM	65884
Surr: BFB	107	70-130		%Rec	1	3/3/2022 12:47:13 AM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/3/2022 12:47:13 AM	65884
Toluene	ND	0.050		mg/Kg	1	3/3/2022 12:47:13 AM	65884
Ethylbenzene	ND	0.050		mg/Kg	1	3/3/2022 12:47:13 AM	65884
Xylenes, Total	ND	0.10		mg/Kg	1	3/3/2022 12:47:13 AM	65884
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	3/3/2022 12:47:13 AM	65884

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

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

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Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-167

Project: Jackson AT Battery

Collection Date: 2/24/2022 11:20:00 AM

Lab ID: 2203007-014

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2800	150		mg/Kg	50	3/8/2022 12:47:33 PM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	38	9.9		mg/Kg	1	3/3/2022 2:25:18 PM	65900
Motor Oil Range Organics (MRO)	55	50		mg/Kg	1	3/3/2022 2:25:18 PM	65900
Surr: DNOP	101	51.1-141		%Rec	1	3/3/2022 2:25:18 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/3/2022 1:10:47 AM	65884
Surr: BFB	109	70-130		%Rec	1	3/3/2022 1:10:47 AM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/3/2022 1:10:47 AM	65884
Toluene	ND	0.049		mg/Kg	1	3/3/2022 1:10:47 AM	65884
Ethylbenzene	ND	0.049		mg/Kg	1	3/3/2022 1:10:47 AM	65884
Xylenes, Total	ND	0.098		mg/Kg	1	3/3/2022 1:10:47 AM	65884
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	3/3/2022 1:10:47 AM	65884

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

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

Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-168

Project: Jackson AT Battery

Collection Date: 2/24/2022 12:50:00 PM

Lab ID: 2203007-015

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1900	59		mg/Kg	20	3/8/2022 4:04:13 AM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	51	9.5		mg/Kg	1	3/3/2022 2:36:14 PM	65900
Motor Oil Range Organics (MRO)	59	48		mg/Kg	1	3/3/2022 2:36:14 PM	65900
Surr: DNOP	81.5	51.1-141		%Rec	1	3/3/2022 2:36:14 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/3/2022 1:34:18 AM	65884
Surr: BFB	105	70-130		%Rec	1	3/3/2022 1:34:18 AM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	3/3/2022 1:34:18 AM	65884
Toluene	ND	0.050		mg/Kg	1	3/3/2022 1:34:18 AM	65884
Ethylbenzene	ND	0.050		mg/Kg	1	3/3/2022 1:34:18 AM	65884
Xylenes, Total	ND	0.099		mg/Kg	1	3/3/2022 1:34:18 AM	65884
Surr: 4-Bromofluorobenzene	99.2	70-130		%Rec	1	3/3/2022 1:34:18 AM	65884

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

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

Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-169

Project: Jackson AT Battery

Collection Date: 2/24/2022 12:55:00 PM

Lab ID: 2203007-016

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2900	150		mg/Kg	50	3/8/2022 12:59:54 PM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	270	47		mg/Kg	5	3/4/2022 4:33:27 PM	65900
Motor Oil Range Organics (MRO)	480	240		mg/Kg	5	3/4/2022 4:33:27 PM	65900
Surr: DNOP	73.4	51.1-141		%Rec	5	3/4/2022 4:33:27 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	3/3/2022 1:57:49 AM	65884
Surr: BFB	110	70-130		%Rec	5	3/3/2022 1:57:49 AM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.12		mg/Kg	5	3/3/2022 1:57:49 AM	65884
Toluene	ND	0.24		mg/Kg	5	3/3/2022 1:57:49 AM	65884
Ethylbenzene	ND	0.24		mg/Kg	5	3/3/2022 1:57:49 AM	65884
Xylenes, Total	ND	0.48		mg/Kg	5	3/3/2022 1:57:49 AM	65884
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	5	3/3/2022 1:57:49 AM	65884

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

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

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Analytical Report

Lab Order 2203007

Date Reported: 3/10/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-170

Project: Jackson AT Battery

Collection Date: 2/24/2022 1:00:00 PM

Lab ID: 2203007-017

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: MRA
Chloride	2200	150		mg/Kg	50	3/8/2022 1:12:14 PM	66001
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	130	10		mg/Kg	1	3/4/2022 2:30:49 PM	65900
Motor Oil Range Organics (MRO)	130	50		mg/Kg	1	3/4/2022 2:30:49 PM	65900
Surr: DNOP	85.8	51.1-141		%Rec	1	3/4/2022 2:30:49 PM	65900
EPA METHOD 8015D: GASOLINE RANGE							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/3/2022 2:21:10 AM	65884
Surr: BFB	106	70-130		%Rec	1	3/3/2022 2:21:10 AM	65884
EPA METHOD 8021B: VOLATILES							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	3/3/2022 2:21:10 AM	65884
Toluene	ND	0.048		mg/Kg	1	3/3/2022 2:21:10 AM	65884
Ethylbenzene	ND	0.048		mg/Kg	1	3/3/2022 2:21:10 AM	65884
Xylenes, Total	ND	0.096		mg/Kg	1	3/3/2022 2:21:10 AM	65884
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	3/3/2022 2:21:10 AM	65884

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

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

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

WO#: 2203007

10-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65998	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65998	RunNo: 86300								
Prep Date: 3/7/2022	Analysis Date: 3/7/2022	SeqNo: 3043174 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65998	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65998	RunNo: 86300								
Prep Date: 3/7/2022	Analysis Date: 3/7/2022	SeqNo: 3043175 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Sample ID: MB-66001	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 66001	RunNo: 86300								
Prep Date: 3/7/2022	Analysis Date: 3/7/2022	SeqNo: 3043204 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								
Nitrogen, Nitrite (As N)	ND	0.30								
Nitrogen, Nitrate (As N)	ND	0.30								

Sample ID: LCS-66001	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 66001	RunNo: 86300								
Prep Date: 3/7/2022	Analysis Date: 3/7/2022	SeqNo: 3043205 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			
Nitrogen, Nitrite (As N)	2.8	0.30	3.000	0	93.0	90	110			
Nitrogen, Nitrate (As N)	7.8	0.30	7.500	0	104	90	110			

Qualifiers:

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

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

WO#: 2203007

10-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65900	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65900	RunNo: 86217								
Prep Date: 3/2/2022	Analysis Date: 3/3/2022	SeqNo: 3039860 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	10	50.00	0	121	68.9	135			
Surr: DNOP	4.4		5.000		87.4	51.1	141			

Sample ID: MB-65900	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65900	RunNo: 86217								
Prep Date: 3/2/2022	Analysis Date: 3/3/2022	SeqNo: 3039863 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		88.6	51.1	141			

Sample ID: LCS-65926	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65926	RunNo: 86243								
Prep Date: 3/3/2022	Analysis Date: 3/4/2022	SeqNo: 3040887 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.0	68.9	135			
Surr: DNOP	4.1		5.000		82.7	51.1	141			

Sample ID: MB-65926	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65926	RunNo: 86243								
Prep Date: 3/3/2022	Analysis Date: 3/4/2022	SeqNo: 3040889 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.4	51.1	141			

Qualifiers:

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

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

WO#: 2203007

10-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65884	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65884	RunNo: 86205								
Prep Date: 3/1/2022	Analysis Date: 3/3/2022	SeqNo: 3038336 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		112	70	130			

Sample ID: lcs-65884	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65884	RunNo: 86205								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038337 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	102	78.6	131			
Surr: BFB	1200		1000		124	70	130			

Sample ID: 2203007-008ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-161	Batch ID: 65884	RunNo: 86205								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038339 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	24.80	0	111	70	130			
Surr: BFB	1200		992.1		123	70	130			

Sample ID: 2203007-008amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-161	Batch ID: 65884	RunNo: 86205								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038340 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	24.85	0	118	70	130	6.48	20	
Surr: BFB	1200		994.0		121	70	130	0	0	

Sample ID: lcs-65876	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 65876	RunNo: 86209								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038608 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: mb-65876	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 65876	RunNo: 86209								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038609 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203007

10-Mar-22

Client: GHD Midland

Project: Jackson AT Battery

Sample ID: mb-65876		SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS		Batch ID: 65876		RunNo: 86209							
Prep Date: 3/1/2022		Analysis Date: 3/2/2022		SeqNo: 3038609			Units: mg/Kg				
Analyte		Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)		ND	5.0								
Surr: BFB		1000		1000		102	70	130			

Qualifiers:

* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2203007

10-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: mb-65884	SampType: MBLK	TestCode: EPA Method 8021B: Volatiles								
Client ID: PBS	Batch ID: 65884	RunNo: 86205								
Prep Date: 3/1/2022	Analysis Date: 3/3/2022	SeqNo: 3038373 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		105	70	130			

Sample ID: LCS-65884	SampType: LCS	TestCode: EPA Method 8021B: Volatiles								
Client ID: LCSS	Batch ID: 65884	RunNo: 86205								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038374 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	0.97	0.050	1.000	0	97.1	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.5	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.9	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

Sample ID: 2203007-009ams	SampType: MS	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-162	Batch ID: 65884	RunNo: 86205								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038377 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.12	0.9814	0	104	80	120			
Toluene	1.1	0.25	0.9814	0	112	80	120			
Ethylbenzene	1.1	0.25	0.9814	0	115	80	120			
Xylenes, Total	3.4	0.49	2.944	0	116	80	120			
Surr: 4-Bromofluorobenzene	5.0		4.907		102	70	130			

Sample ID: 2203007-009amsd	SampType: MSD	TestCode: EPA Method 8021B: Volatiles								
Client ID: BH-162	Batch ID: 65884	RunNo: 86205								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038378 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.12	0.9833	0	98.7	80	120	4.70	20	
Toluene	1.1	0.25	0.9833	0	109	80	120	2.51	20	
Ethylbenzene	1.1	0.25	0.9833	0	112	80	120	2.80	20	
Xylenes, Total	3.3	0.49	2.950	0	112	80	120	3.39	20	
Surr: 4-Bromofluorobenzene	4.9		4.916		101	70	130	0	0	

Qualifiers:

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

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

WO#: 2203007

10-Mar-22

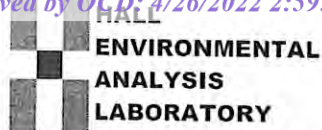
Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-65876	SampType: LCS				TestCode: EPA Method 8021B: Volatiles					
Client ID: LCSS	Batch ID: 65876				RunNo: 86209					
Prep Date: 3/1/2022	Analysis Date: 3/2/2022				SeqNo: 3038661	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.5	80	120			
Toluene	0.96	0.050	1.000	0	96.3	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.5	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.5	70	130			

Sample ID: mb-65876	SampType: MBLK				TestCode: EPA Method 8021B: Volatiles					
Client ID: PBS	Batch ID: 65876				RunNo: 86209					
Prep Date: 3/1/2022	Analysis Date: 3/2/2022				SeqNo: 3038662	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.8	70	130			

Qualifiers:

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



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: 2203007

RcptNo: 1

Received By: Tracy Casarrubias 3/1/2022 7:50:00 AM

Completed By: Tracy Casarrubias 3/1/2022 8:47:26 AM

Reviewed By: WPG 3/1/22

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:
 (<2 or >12 unless noted)
 Adjusted?
 Checked by: ja 3/1/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good	Yes			

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)Accreditation: ☐ AZ Compliance☐ NELAC☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard☒ Rush

Project Name:

Jackson AT Battery

Project #:

11229324

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

of Coolers: 1

Cooler Temp (including CF): 55-0.1-5.4

Container

Preservative

Type and #

HEAL No.

2203007

001

002

003

004

005

006

007

008

009

010

011

012

013

014

015

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

March 09, 2022

Tom Larson
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX

RE: Jackson AT Battery

OrderNo.: 2203001

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 10 sample(s) on 3/1/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-171

Project: Jackson AT Battery

Collection Date: 2/25/2022 8:00:00 AM

Lab ID: 2203001-001

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	470	60		mg/Kg	20	3/4/2022 1:40:35 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/2/2022 11:26:16 PM	65875
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/2/2022 11:26:16 PM	65875
Surr: DNOP	85.8	51.1-141		%Rec	1	3/2/2022 11:26:16 PM	65875
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/2/2022 9:43:00 AM	65871
Surr: BFB	103	70-130		%Rec	1	3/2/2022 9:43:00 AM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/2/2022 9:43:00 AM	65871
Toluene	ND	0.049		mg/Kg	1	3/2/2022 9:43:00 AM	65871
Ethylbenzene	ND	0.049		mg/Kg	1	3/2/2022 9:43:00 AM	65871
Xylenes, Total	ND	0.099		mg/Kg	1	3/2/2022 9:43:00 AM	65871
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	3/2/2022 9:43:00 AM	65871

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

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

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Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-172

Project: Jackson AT Battery

Collection Date: 2/25/2022 8:10:00 AM

Lab ID: 2203001-002

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	920	60		mg/Kg	20	3/4/2022 2:17:47 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	41	9.2		mg/Kg	1	3/2/2022 11:37:06 PM	65875
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/2/2022 11:37:06 PM	65875
Surr: DNOP	93.6	51.1-141		%Rec	1	3/2/2022 11:37:06 PM	65875
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/2/2022 10:42:00 AM	65871
Surr: BFB	107	70-130		%Rec	1	3/2/2022 10:42:00 AM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/2/2022 10:42:00 AM	65871
Toluene	ND	0.049		mg/Kg	1	3/2/2022 10:42:00 AM	65871
Ethylbenzene	ND	0.049		mg/Kg	1	3/2/2022 10:42:00 AM	65871
Xylenes, Total	ND	0.098		mg/Kg	1	3/2/2022 10:42:00 AM	65871
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	3/2/2022 10:42:00 AM	65871

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

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

Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-173

Project: Jackson AT Battery

Collection Date: 2/25/2022 8:20:00 AM

Lab ID: 2203001-003

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	800	60		mg/Kg	20	3/4/2022 2:30:11 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	15	9.6		mg/Kg	1	3/3/2022 11:46:01 PM	65875
Motor Oil Range Organics (MRO)	58	48		mg/Kg	1	3/3/2022 11:46:01 PM	65875
Surr: DNOP	124	51.1-141		%Rec	1	3/3/2022 11:46:01 PM	65875
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/2/2022 11:41:00 AM	65871
Surr: BFB	101	70-130		%Rec	1	3/2/2022 11:41:00 AM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/2/2022 11:41:00 AM	65871
Toluene	ND	0.049		mg/Kg	1	3/2/2022 11:41:00 AM	65871
Ethylbenzene	ND	0.049		mg/Kg	1	3/2/2022 11:41:00 AM	65871
Xylenes, Total	ND	0.098		mg/Kg	1	3/2/2022 11:41:00 AM	65871
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	3/2/2022 11:41:00 AM	65871

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

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

Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-174

Project: Jackson AT Battery

Collection Date: 2/25/2022 8:30:00 AM

Lab ID: 2203001-004

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	650	60		mg/Kg	20	3/4/2022 2:42:36 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	8.6		mg/Kg	1	3/2/2022 11:58:42 PM	65875
Motor Oil Range Organics (MRO)	ND	43		mg/Kg	1	3/2/2022 11:58:42 PM	65875
Surr: DNOP	91.4	51.1-141		%Rec	1	3/2/2022 11:58:42 PM	65875
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/2/2022 12:01:00 PM	65871
Surr: BFB	104	70-130		%Rec	1	3/2/2022 12:01:00 PM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/2/2022 12:01:00 PM	65871
Toluene	ND	0.048		mg/Kg	1	3/2/2022 12:01:00 PM	65871
Ethylbenzene	ND	0.048		mg/Kg	1	3/2/2022 12:01:00 PM	65871
Xylenes, Total	ND	0.097		mg/Kg	1	3/2/2022 12:01:00 PM	65871
Surr: 4-Bromofluorobenzene	88.7	70-130		%Rec	1	3/2/2022 12:01:00 PM	65871

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

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

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Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-175

Project: Jackson AT Battery

Collection Date: 2/25/2022 8:40:00 AM

Lab ID: 2203001-005

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	1000	60		mg/Kg	20	3/4/2022 3:19:49 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	140	9.1		mg/Kg	1	3/4/2022 3:15:30 PM	65910
Motor Oil Range Organics (MRO)	300	45		mg/Kg	1	3/4/2022 3:15:30 PM	65910
Surr: DNOP	83.3	51.1-141		%Rec	1	3/4/2022 3:15:30 PM	65910
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/2/2022 12:21:00 PM	65871
Surr: BFB	102	70-130		%Rec	1	3/2/2022 12:21:00 PM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/2/2022 12:21:00 PM	65871
Toluene	ND	0.048		mg/Kg	1	3/2/2022 12:21:00 PM	65871
Ethylbenzene	ND	0.048		mg/Kg	1	3/2/2022 12:21:00 PM	65871
Xylenes, Total	ND	0.096		mg/Kg	1	3/2/2022 12:21:00 PM	65871
Surr: 4-Bromofluorobenzene	88.8	70-130		%Rec	1	3/2/2022 12:21:00 PM	65871

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

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

Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-27

Project: Jackson AT Battery

Collection Date: 2/25/2022 9:30:00 AM

Lab ID: 2203001-006

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	590	60		mg/Kg	20	3/4/2022 3:32:13 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	3/3/2022 2:58:01 PM	65910
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	3/3/2022 2:58:01 PM	65910
Surr: DNOP	82.2	51.1-141		%Rec	1	3/3/2022 2:58:01 PM	65910
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	3/2/2022 12:40:00 PM	65871
Surr: BFB	104	70-130		%Rec	1	3/2/2022 12:40:00 PM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/2/2022 12:40:00 PM	65871
Toluene	ND	0.049		mg/Kg	1	3/2/2022 12:40:00 PM	65871
Ethylbenzene	ND	0.049		mg/Kg	1	3/2/2022 12:40:00 PM	65871
Xylenes, Total	ND	0.097		mg/Kg	1	3/2/2022 12:40:00 PM	65871
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	3/2/2022 12:40:00 PM	65871

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

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

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Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-28

Project: Jackson AT Battery

Collection Date: 2/25/2022 9:40:00 AM

Lab ID: 2203001-007

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	650	60		mg/Kg	20	3/4/2022 3:44:38 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/3/2022 3:24:30 PM	65910
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	3/3/2022 3:24:30 PM	65910
Surr: DNOP	111	51.1-141		%Rec	1	3/3/2022 3:24:30 PM	65910
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/2/2022 1:00:00 PM	65871
Surr: BFB	106	70-130		%Rec	1	3/2/2022 1:00:00 PM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/2/2022 1:00:00 PM	65871
Toluene	ND	0.050		mg/Kg	1	3/2/2022 1:00:00 PM	65871
Ethylbenzene	ND	0.050		mg/Kg	1	3/2/2022 1:00:00 PM	65871
Xylenes, Total	ND	0.10		mg/Kg	1	3/2/2022 1:00:00 PM	65871
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	3/2/2022 1:00:00 PM	65871

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

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

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Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-29

Project: Jackson AT Battery

Collection Date: 2/25/2022 9:50:00 AM

Lab ID: 2203001-008

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	270	60		mg/Kg	20	3/4/2022 3:57:02 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/3/2022 3:35:39 PM	65910
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/3/2022 3:35:39 PM	65910
Surr: DNOP	76.4	51.1-141		%Rec	1	3/3/2022 3:35:39 PM	65910
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/2/2022 1:20:00 PM	65871
Surr: BFB	101	70-130		%Rec	1	3/2/2022 1:20:00 PM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/2/2022 1:20:00 PM	65871
Toluene	ND	0.050		mg/Kg	1	3/2/2022 1:20:00 PM	65871
Ethylbenzene	ND	0.050		mg/Kg	1	3/2/2022 1:20:00 PM	65871
Xylenes, Total	ND	0.099		mg/Kg	1	3/2/2022 1:20:00 PM	65871
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	3/2/2022 1:20:00 PM	65871

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

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

Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-30

Project: Jackson AT Battery

Collection Date: 2/25/2022 10:00:00 AM

Lab ID: 2203001-009

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	450	60		mg/Kg	20	3/4/2022 4:09:27 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	3/3/2022 3:46:49 PM	65910
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/3/2022 3:46:49 PM	65910
Surr: DNOP	108	51.1-141		%Rec	1	3/3/2022 3:46:49 PM	65910
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/2/2022 1:39:00 PM	65871
Surr: BFB	106	70-130		%Rec	1	3/2/2022 1:39:00 PM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	3/2/2022 1:39:00 PM	65871
Toluene	ND	0.048		mg/Kg	1	3/2/2022 1:39:00 PM	65871
Ethylbenzene	ND	0.048		mg/Kg	1	3/2/2022 1:39:00 PM	65871
Xylenes, Total	ND	0.097		mg/Kg	1	3/2/2022 1:39:00 PM	65871
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	3/2/2022 1:39:00 PM	65871

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

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

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Analytical Report

Lab Order 2203001

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-31

Project: Jackson AT Battery

Collection Date: 2/25/2022 10:10:00 AM

Lab ID: 2203001-010

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	230	60		mg/Kg	20	3/4/2022 4:21:51 PM	65960
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	3/3/2022 3:57:59 PM	65910
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	3/3/2022 3:57:59 PM	65910
Surr: DNOP	103	51.1-141		%Rec	1	3/3/2022 3:57:59 PM	65910
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	3/2/2022 1:59:00 PM	65871
Surr: BFB	108	70-130		%Rec	1	3/2/2022 1:59:00 PM	65871
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	3/2/2022 1:59:00 PM	65871
Toluene	ND	0.050		mg/Kg	1	3/2/2022 1:59:00 PM	65871
Ethylbenzene	ND	0.050		mg/Kg	1	3/2/2022 1:59:00 PM	65871
Xylenes, Total	ND	0.099		mg/Kg	1	3/2/2022 1:59:00 PM	65871
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	3/2/2022 1:59:00 PM	65871

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203001

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65960	SampType: mblk	TestCode: EPA Method 300.0: Anions
Client ID: PBS	Batch ID: 65960	RunNo: 86255
Prep Date: 3/4/2022	Analysis Date: 3/4/2022	SeqNo: 3041604 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	ND	1.5

Sample ID: LCS-65960	SampType: lcs	TestCode: EPA Method 300.0: Anions
Client ID: LCSS	Batch ID: 65960	RunNo: 86255
Prep Date: 3/4/2022	Analysis Date: 3/4/2022	SeqNo: 3041605 Units: mg/Kg
Analyte	Result	PQL SPK value SPK Ref Val %REC LowLimit HighLimit %RPD RPDLimit Qual
Chloride	14	1.5 15.00 0 92.9 90 110

Qualifiers:

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

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

WO#: 2203001

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65875	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65875	RunNo: 86180								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038793 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	68.9	135			
Surr: DNOP	5.1		5.000		103	51.1	141			

Sample ID: MB-65875	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65875	RunNo: 86180								
Prep Date: 3/1/2022	Analysis Date: 3/2/2022	SeqNo: 3038795 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		102	51.1	141			

Sample ID: LCS-65910	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 65910	RunNo: 86217								
Prep Date: 3/2/2022	Analysis Date: 3/3/2022	SeqNo: 3039861 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	98.2	68.9	135			
Surr: DNOP	4.2		5.000		83.1	51.1	141			

Sample ID: MB-65910	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65910	RunNo: 86217								
Prep Date: 3/2/2022	Analysis Date: 3/3/2022	SeqNo: 3039864 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		90.2	51.1	141			

Sample ID: 2203001-005AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-175	Batch ID: 65910	RunNo: 86243								
Prep Date: 3/2/2022	Analysis Date: 3/4/2022	SeqNo: 3041570 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	180	9.6	47.89	139.9	75.9	39.3	155			
Surr: DNOP	4.5		4.789		93.7	51.1	141			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203001

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: 2203001-005AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: BH-175	Batch ID: 65910	RunNo: 86243								
Prep Date: 3/2/2022	Analysis Date: 3/4/2022	SeqNo: 3041571 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	150	9.5	47.39	139.9	22.7	39.3	155	15.7	23.4	S
Surr: DNOP	4.7		4.739		99.6	51.1	141	0	0	

Qualifiers:

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

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

WO#: 2203001

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-65871	SampType: LCS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: LCSS	Batch ID: 65871				RunNo: 86209					
Prep Date: 3/1/2022	Analysis Date: 3/2/2022				SeqNo: 3038584	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	112	78.6	131			
Surr: BFB	1200		1000		116	70	130			

Sample ID: mb-65871	SampType: MBLK				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: PBS	Batch ID: 65871				RunNo: 86209					
Prep Date: 3/1/2022	Analysis Date: 3/2/2022				SeqNo: 3038585	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		103	70	130			

Sample ID: 2203001-001ams	SampType: MS				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: BH-171	Batch ID: 65871				RunNo: 86209					
Prep Date: 3/1/2022	Analysis Date: 3/2/2022				SeqNo: 3038587	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.61	0	115	70	130			
Surr: BFB	1200		984.3		127	70	130			

Sample ID: 2203001-001amsd	SampType: MSD				TestCode: EPA Method 8015D: Gasoline Range					
Client ID: BH-171	Batch ID: 65871				RunNo: 86209					
Prep Date: 3/1/2022	Analysis Date: 3/2/2022				SeqNo: 3038588	Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	5.0	24.90	0	128	70	130	11.2	20	
Surr: BFB	1300		996.0		126	70	130	0	0	

Qualifiers:

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

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

WO#: 2203001

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-65871	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65871			RunNo: 86209						
Prep Date: 3/1/2022	Analysis Date: 3/2/2022			SeqNo: 3038637		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.3	80	120			
Toluene	0.92	0.050	1.000	0	91.9	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.1	80	120			
Xylenes, Total	2.8	0.10	3.000	0	93.8	80	120			
Surr: 4-Bromofluorobenzene	0.92		1.000		91.6	70	130			

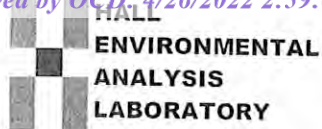
Sample ID: mb-65871	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65871			RunNo: 86209						
Prep Date: 3/1/2022	Analysis Date: 3/2/2022			SeqNo: 3038638		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		91.5	70	130			

Sample ID: 2203001-002ams	SampType: MS			TestCode: EPA Method 8021B: Volatiles						
Client ID: BH-172	Batch ID: 65871			RunNo: 86209						
Prep Date: 3/1/2022	Analysis Date: 3/2/2022			SeqNo: 3038641		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9756	0	97.0	80	120			
Toluene	0.99	0.049	0.9756	0	101	80	120			
Ethylbenzene	1.0	0.049	0.9756	0	103	80	120			
Xylenes, Total	3.0	0.098	2.927	0	102	80	120			
Surr: 4-Bromofluorobenzene	0.86		0.9756		87.9	70	130			

Sample ID: 2203001-002amsd	SampType: MSD			TestCode: EPA Method 8021B: Volatiles						
Client ID: BH-172	Batch ID: 65871			RunNo: 86209						
Prep Date: 3/1/2022	Analysis Date: 3/2/2022			SeqNo: 3038642		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.024	0.9407	0	83.8	80	120	18.1	20	
Toluene	0.80	0.047	0.9407	0	85.4	80	120	20.7	20	R
Ethylbenzene	0.83	0.047	0.9407	0	87.8	80	120	19.5	20	
Xylenes, Total	2.5	0.094	2.822	0	87.4	80	120	19.3	20	
Surr: 4-Bromofluorobenzene	0.84		0.9407		89.2	70	130	0	0	

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2203001

RcptNo: 1

Received By: Tracy Casarrubias 3/1/2022 7:50:00 AM

Completed By: Sean Livingston 3/1/2022 8:11:21 AM

Reviewed By: KPG 3/1/22

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: JR 3/1/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good				

Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Beckv.Haskell@ghd.com

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)

Accreditation:

☐ AZ Compliance☐ NELAC☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard☒ Rush

Project Name:

Jackson AT Battery

Project #:

11229324

Project Manager:

Becky Haskell

Tom Larson

Sampler:

Zach Comino

On Ice:

☒ Yes☐ No

of Coolers:

1

Cooler Temp (including CF):

5.5 - 0.1 = 5.4

Date Time Matrix Sample Name

082522 0800 S BH-171

082522 0800 BH-172

082522 0800 BH-173

082522 0800 BH-174

082522 0800 BH-175

082522 0800 SW-27

082522 0800 SW-28

082522 0800 SW-29

082522 0800 SW-30

082522 0800 SW-31

Date:

Time:

Relinquished by:

Zach Comino

Via:

Date:

Time:

Relinquished by:

Zach Comino

Via:

Date:

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Relinquished by:

Zach Comino

Via:

Date:

Time:

Relinquished by:

Zach Comino

Via:

Date:

Time:

Relinquished by:

Zach Comino

Via:

Date:

Time:

Relinquished by:

Zach Comino

Via:

Date:

Time:



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

March 09, 2022

Tom Larson
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX

RE: Jackson AT Battery

OrderNo.: 2203003

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 3/1/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2203003

Date Reported: 3/9/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-100A

Project: Jackson AT Battery

Collection Date: 2/28/2022 10:10:00 AM

Lab ID: 2203003-001

Matrix: SOIL

Received Date: 3/1/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	680	60		mg/Kg	20	3/7/2022 6:20:49 PM	65998
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: SB
Diesel Range Organics (DRO)	170	9.3		mg/Kg	1	3/7/2022 11:44:01 AM	65926
Motor Oil Range Organics (MRO)	130	46		mg/Kg	1	3/7/2022 11:44:01 AM	65926
Surr: DNOP	76.4	51.1-141		%Rec	1	3/7/2022 11:44:01 AM	65926
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	3/3/2022 1:47:00 AM	65876
Surr: BFB	99.1	70-130		%Rec	1	3/3/2022 1:47:00 AM	65876
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	3/3/2022 1:47:00 AM	65876
Toluene	ND	0.24		mg/Kg	5	3/3/2022 1:47:00 AM	65876
Ethylbenzene	ND	0.24		mg/Kg	5	3/3/2022 1:47:00 AM	65876
Xylenes, Total	ND	0.48		mg/Kg	5	3/3/2022 1:47:00 AM	65876
Surr: 4-Bromofluorobenzene	88.5	70-130		%Rec	5	3/3/2022 1:47:00 AM	65876

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

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

Page 1 of 5

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

WO#: 2203003

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-65998	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 65998	RunNo: 86300								
Prep Date: 3/7/2022	Analysis Date: 3/7/2022	SeqNo: 3043174	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-65998	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 65998	RunNo: 86300								
Prep Date: 3/7/2022	Analysis Date: 3/7/2022	SeqNo: 3043175	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.5	90	110			

Qualifiers:

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

Page 2 of 5

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

WO#: 2203003

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: LCS-65926	SampType: LCS			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: LCSS	Batch ID: 65926			RunNo: 86243						
Prep Date: 3/3/2022	Analysis Date: 3/4/2022			SeqNo: 3040887		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.0	68.9	135			
Surr: DNOP	4.1		5.000		82.7	51.1	141			

Sample ID: MB-65926	SampType: MBLK			TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: PBS	Batch ID: 65926			RunNo: 86243						
Prep Date: 3/3/2022	Analysis Date: 3/4/2022			SeqNo: 3040889		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.8		10.00		88.4	51.1	141			

Qualifiers:

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

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

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

WO#: 2203003

09-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-65876	SampType: LCS		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: LCSS	Batch ID: 65876		RunNo: 86209							
Prep Date: 3/1/2022	Analysis Date: 3/2/2022		SeqNo: 3038608		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	78.6	131			
Surr: BFB	1100		1000		114	70	130			

Sample ID: mb-65876	SampType: MBLK		TestCode: EPA Method 8015D: Gasoline Range							
Client ID: PBS	Batch ID: 65876		RunNo: 86209							
Prep Date: 3/1/2022	Analysis Date: 3/2/2022		SeqNo: 3038609		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Qualifiers:

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

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

WO#: 2203003

09-Mar-22

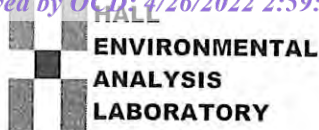
Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-65876	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 65876			RunNo: 86209						
Prep Date: 3/1/2022	Analysis Date: 3/2/2022			SeqNo: 3038661		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.5	80	120			
Toluene	0.96	0.050	1.000	0	96.3	80	120			
Ethylbenzene	0.97	0.050	1.000	0	96.8	80	120			
Xylenes, Total	2.9	0.10	3.000	0	96.5	80	120			
Surr: 4-Bromofluorobenzene	0.88		1.000		88.5	70	130			

Sample ID: mb-65876	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 65876			RunNo: 86209						
Prep Date: 3/1/2022	Analysis Date: 3/2/2022			SeqNo: 3038662		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.8	70	130			

Qualifiers:

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



Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2203003

RcptNo: 1

Received By: Tracy Casarrubias

3/1/2022 7:50:00 AM

Completed By: Sean Livingston

3/1/2022 8:23:17 AM

Reviewed By: JR 3/1/22

S. Livingston

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐

of preserved
bottles checked
for pH:

(<2 or >12 unless noted)

Adjusted? _____

Checked by: KPG 3/1/22

KPG 3/1/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.4	Good				



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

March 15, 2022

Becky Haskell
GHD Midland
2135 S Loop 250 W
Midland, TX 79703
TEL: (432) 686-0086
FAX

RE: Jackson AT Battery

OrderNo.: 2203657

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 4 sample(s) on 3/11/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report

Lab Order 2203657

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-4B

Project: Jackson AT Battery

Collection Date: 3/10/2022 10:00:00 AM

Lab ID: 2203657-001

Matrix: MEOH (SOIL)

Received Date: 3/11/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	120	60		mg/Kg	20	3/11/2022 10:43:53 AM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	13	9.7		mg/Kg	1	3/11/2022 10:39:02 AM	66112
Motor Oil Range Organics (MRO)	59	49		mg/Kg	1	3/11/2022 10:39:02 AM	66112
Surr: DNOP	78.4	51.1-141		%Rec	1	3/11/2022 10:39:02 AM	66112
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.5		mg/Kg	1	3/11/2022 10:56:00 AM	66069
Surr: BFB	104	70-130		%Rec	1	3/11/2022 10:56:00 AM	66069
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	3/11/2022 10:56:00 AM	66069
Toluene	ND	0.045		mg/Kg	1	3/11/2022 10:56:00 AM	66069
Ethylbenzene	ND	0.045		mg/Kg	1	3/11/2022 10:56:00 AM	66069
Xylenes, Total	ND	0.091		mg/Kg	1	3/11/2022 10:56:00 AM	66069
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	3/11/2022 10:56:00 AM	66069

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

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

Page 1 of 8

Analytical Report

Lab Order 2203657

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-6B

Project: Jackson AT Battery

Collection Date: 3/10/2022 10:30:00 AM

Lab ID: 2203657-002

Matrix: MEOH (SOIL)

Received Date: 3/11/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	110	60		mg/Kg	20	3/11/2022 10:56:14 AM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	3/11/2022 10:52:31 AM	66112
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	3/11/2022 10:52:31 AM	66112
Surr: DNOP	70.1	51.1-141		%Rec	1	3/11/2022 10:52:31 AM	66112
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.9		mg/Kg	1	3/11/2022 11:15:00 AM	66069
Surr: BFB	106	70-130		%Rec	1	3/11/2022 11:15:00 AM	66069
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.019		mg/Kg	1	3/11/2022 11:15:00 AM	66069
Toluene	ND	0.039		mg/Kg	1	3/11/2022 11:15:00 AM	66069
Ethylbenzene	ND	0.039		mg/Kg	1	3/11/2022 11:15:00 AM	66069
Xylenes, Total	ND	0.077		mg/Kg	1	3/11/2022 11:15:00 AM	66069
Surr: 4-Bromofluorobenzene	89.1	70-130		%Rec	1	3/11/2022 11:15:00 AM	66069

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

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

Analytical Report

Lab Order 2203657

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-7B

Project: Jackson AT Battery

Collection Date: 3/10/2022 11:00:00 AM

Lab ID: 2203657-003

Matrix: MEOH (SOIL)

Received Date: 3/11/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	110	60		mg/Kg	20	3/11/2022 11:08:35 AM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	8.8		mg/Kg	1	3/11/2022 11:06:16 AM	66112
Motor Oil Range Organics (MRO)	45	44		mg/Kg	1	3/11/2022 11:06:16 AM	66112
Surr: DNOP	77.8	51.1-141		%Rec	1	3/11/2022 11:06:16 AM	66112
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	3.7		mg/Kg	1	3/11/2022 11:35:00 AM	66069
Surr: BFB	108	70-130		%Rec	1	3/11/2022 11:35:00 AM	66069
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.018		mg/Kg	1	3/11/2022 11:35:00 AM	66069
Toluene	ND	0.037		mg/Kg	1	3/11/2022 11:35:00 AM	66069
Ethylbenzene	ND	0.037		mg/Kg	1	3/11/2022 11:35:00 AM	66069
Xylenes, Total	ND	0.073		mg/Kg	1	3/11/2022 11:35:00 AM	66069
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	3/11/2022 11:35:00 AM	66069

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

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

Analytical Report

Lab Order 2203657

Date Reported: 3/15/2022

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-21A

Project: Jackson AT Battery

Collection Date: 3/10/2022 12:00:00 PM

Lab ID: 2203657-004

Matrix: MEOH (SOIL)

Received Date: 3/11/2022 8:00:00 AM

Analyses	Result	PQL	Qual	Units	DF	Date Analyzed	Batch
EPA METHOD 300.0: ANIONS							Analyst: LRN
Chloride	ND	60		mg/Kg	20	3/11/2022 11:20:56 AM	66119
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS							Analyst: TOM
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	3/11/2022 9:58:28 AM	66112
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	3/11/2022 9:58:28 AM	66112
Surr: DNOP	75.7	51.1-141		%Rec	1	3/11/2022 9:58:28 AM	66112
EPA METHOD 8015D: GASOLINE RANGE							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	3/11/2022 11:55:00 AM	66069
Surr: BFB	108	70-130		%Rec	1	3/11/2022 11:55:00 AM	66069
EPA METHOD 8021B: VOLATILES							Analyst: RAA
Benzene	ND	0.021		mg/Kg	1	3/11/2022 11:55:00 AM	66069
Toluene	ND	0.042		mg/Kg	1	3/11/2022 11:55:00 AM	66069
Ethylbenzene	ND	0.042		mg/Kg	1	3/11/2022 11:55:00 AM	66069
Xylenes, Total	ND	0.083		mg/Kg	1	3/11/2022 11:55:00 AM	66069
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	3/11/2022 11:55:00 AM	66069

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2203657

15-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-66119	SampType: mblk	TestCode: EPA Method 300.0: Anions								
Client ID: PBS	Batch ID: 66119	RunNo: 86446								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3049910	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: LCS-66119	SampType: lcs	TestCode: EPA Method 300.0: Anions								
Client ID: LCSS	Batch ID: 66119	RunNo: 86446								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3049911	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.7	90	110			

Qualifiers:

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

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

WO#: 2203657

15-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: MB-66112	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 66112	RunNo: 86399								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3047706 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		81.4	51.1	141			

Sample ID: LCS-66112	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 66112	RunNo: 86399								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3047776 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.9	68.9	135			
Surr: DNOP	4.0		5.000		79.5	51.1	141			

Sample ID: 2203657-001AMS	SampType: MS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-4B	Batch ID: 66112	RunNo: 86399								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3048176 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	9.6	47.85	12.88	48.8	36.1	154			
Surr: DNOP	3.8		4.785		79.1	51.1	141			

Sample ID: 2203657-001AMSD	SampType: MSD	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: SW-4B	Batch ID: 66112	RunNo: 86399								
Prep Date: 3/11/2022	Analysis Date: 3/11/2022	SeqNo: 3048177 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	34	9.9	49.31	12.88	43.5	36.1	154	5.43	33.9	
Surr: DNOP	4.0		4.931		81.6	51.1	141	0	0	

Qualifiers:

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

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

WO#: 2203657

15-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-66069	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: 66069			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3048222		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	5.0	25.00	0	118	78.6	131			
Surr: BFB	2300		1000		229	70	130			S

Sample ID: mb-66069	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: 66069			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3048223		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Qualifiers:

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

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

WO#: 2203657

15-Mar-22

Client: GHD Midland
Project: Jackson AT Battery

Sample ID: lcs-66069	SampType: LCS			TestCode: EPA Method 8021B: Volatiles						
Client ID: LCSS	Batch ID: 66069			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3048229		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.1	80	120			
Toluene	0.87	0.050	1.000	0	87.2	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.0	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.9	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.8	70	130			

Sample ID: mb-66069	SampType: MBLK			TestCode: EPA Method 8021B: Volatiles						
Client ID: PBS	Batch ID: 66069			RunNo: 86409						
Prep Date: 3/9/2022	Analysis Date: 3/11/2022			SeqNo: 3048230		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.9	70	130			

Qualifiers:

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



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

Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2203657

RcptNo: 1

Received By: Sean Livingston 3/11/2022 8:00:00 AM

Completed By: Desiree Dominguez 3/11/2022 8:18:35 AM

Reviewed By: *TML**3/11/22*

Sean Livingston
DD
[Signature]

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to 6.0°C ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace $<1/4"$ for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:
(<2 or >12 unless noted)
Adjusted?
Checked by: *CNC 3/11/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: _____

Date: _____

By Whom: _____

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.4	Good				

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 101709

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 101709
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved.	5/19/2022