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)*
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)

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

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

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2115336154
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

☑ The source of the release has been stopped.
☑ The impacted area has been secured to protect human health and the environment.
☑ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
☑ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not 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: Chase Settle
Title: Rep Safety & Environmental Sr

Signature: Chase Settle
Date: 6/2/2021

email: Chase_Settle@eogresources.com
Telephone: 575-748-1471

OCD Only

Received by: _____
Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2115336154
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>100 (ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas **not** on an exploration, development, production, or storage site?	☑ Yes ☐ No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: ***Each of the following items must be included in the report.***

- ☑ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☑ Data table of soil contaminant concentration data
- ☑ Depth to water determination
- ☑ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☑ Topographic/Aerial maps
- ☑ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2115336154
District RP	
Facility ID	
Application ID	

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr

Signature: Chase Settle Date: 11/29/2021

email: Chase_Settle@eogresources.com Telephone: 575-748-1471

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2115336154
District RP	
Facility ID	
Application ID	

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

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

GHD Reference #: 11229324

November 29, 2021

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

Re: Site Characterization and Remediation Work Plan
Jackson AT Battery Release Site
EOG Resources Inc.
Incident ID: nAPP2115336154
J-14-17S-25E, Eddy County, New Mexico

1. Introduction

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

2. Background Information

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

The release falls under the jurisdiction of the NMOCD District 2 Office in Artesia, New Mexico. The NMOCD assigned the release with Incident Number nAPP2115336154. The Initial C-141, Site Assessment/Characterization and Remediation Plan portions of Form C-141 are attached to the front of this report.

3. Groundwater and Site Characterization

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

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

General Site Characterization and Groundwater:

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

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

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

4. Initial Soil Delineation Assessment Summary and Findings

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

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

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

5. nAPP2115336154 Proposed Work Plan

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

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

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

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

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

Sincerely,

GHD

Becky Haskell
Senior Project Manager

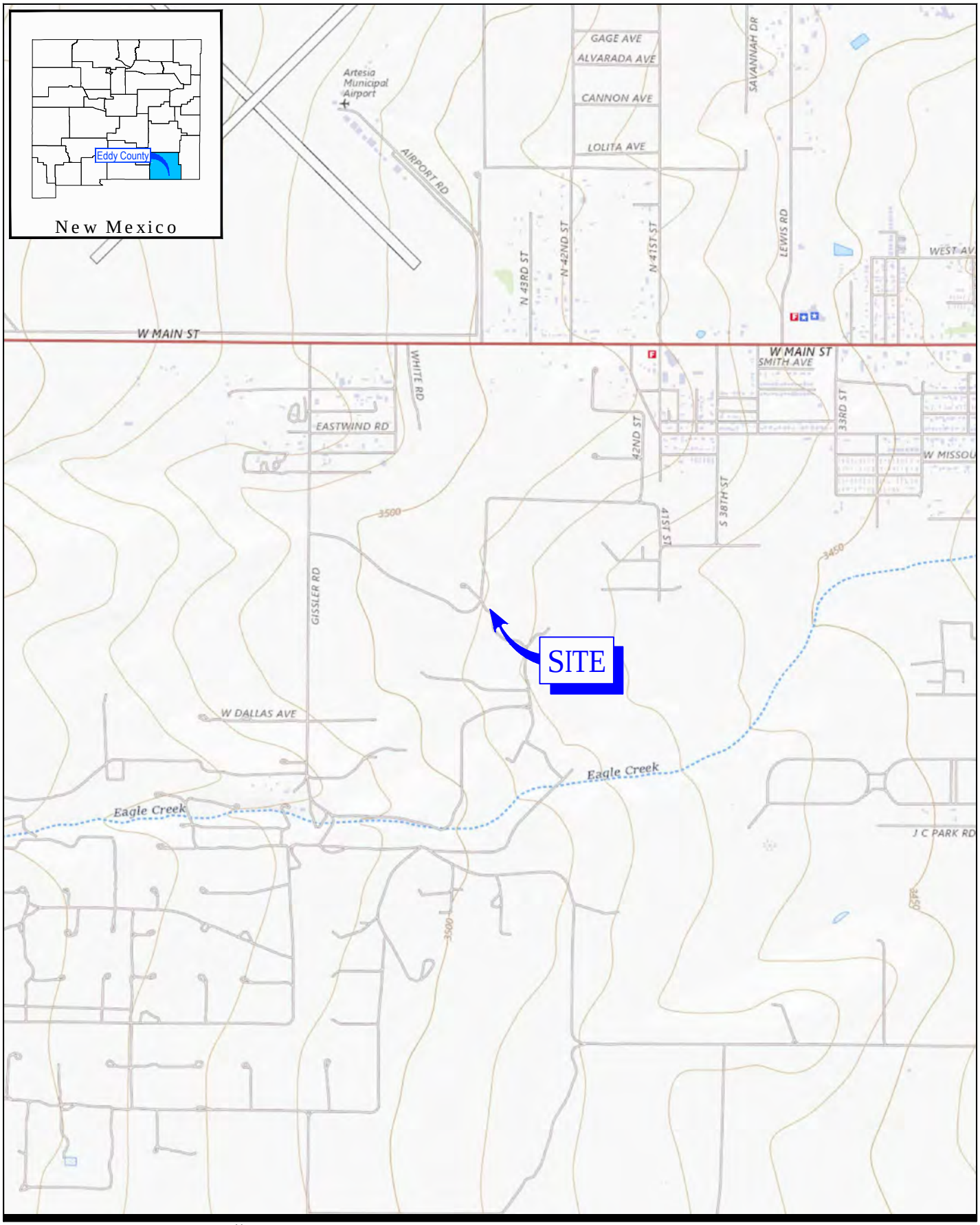
Thomas C. Larson, M.S.
Midland Operation Manager

BH/tl/1

Encl. Figure 1 – Site Location Map
Figure 2 –Site Assessment and Proposed Excavation Area
Figure 3 – Proposed Sampling Plan
Table 1 – Summary of Soil Analytical Data
Appendix A – Site Characterization Documentation
Appendix B – Laboratory Analytical Reports and Chain-of-Custody Documentation

cc: Chase Settle

Figures



0 1000 2000 ft

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

N

GHD

EOG RESOURCES
EDDY COUNTY, NEW MEXICO
JACKSON AT BATTERY

Project No. 11229324
Date November 2021

SITE LOCATION MAP

FIGURE 1

Filename: \\ghdnet\ghd\US\Midland\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 Total GRO/DRO/MRO	Chloride
			(mg/Kg)	(mg/Kg)	(mg/Kg)	(mg/Kg)
			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**

LEGEND

4'	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.

0 25 50 ft

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

N

GHD

EOG RESOURCES
EDDY COUNTY, NEW MEXICO
JACKSON AT BATTERY

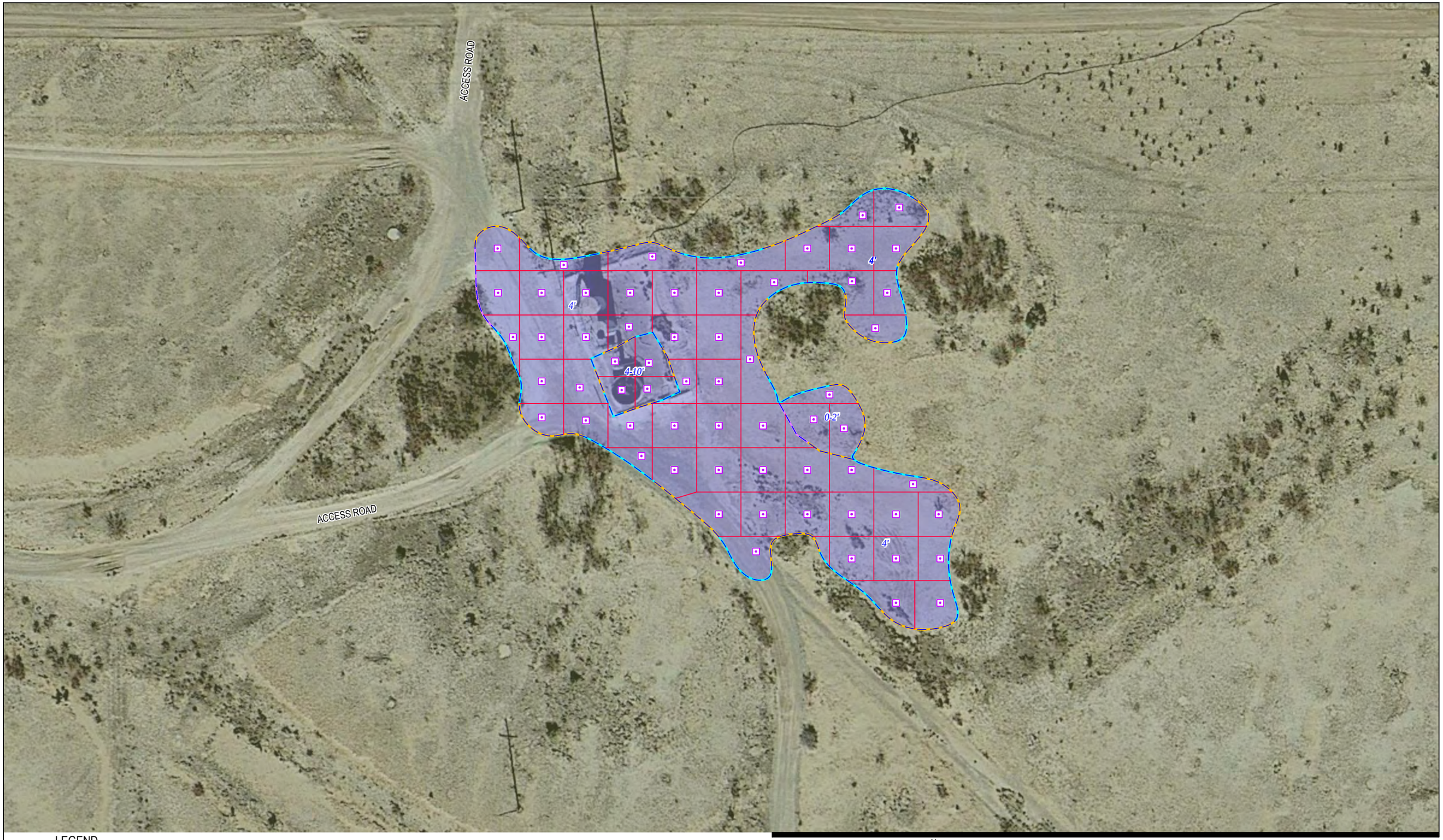
SITE ASSESSMENT **AND**
PROPOSED EXCAVATION AREA

Project No. 11229324
Date November 2021

FIGURE 2

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

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



LEGEND

- 4' PROPOSED EXCAVATED AREA
- PROPOSED COMPOSITE BOTTOM EXCAVATION SAMPLE
- INDICATES PROPOSED SIDE WALL COMPOSITE SAMPLE
- INDICATES PROPOSED SIDE WALL COMPOSITE SAMPLE
- INDICATES PROPOSED SIDE WALL COMPOSITE SAMPLE

0 25 50 ft

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

N

GHD

EOG RESOURCES
EDDY COUNTY, NEW MEXICO
JACKSON AT BATTERY

PROPOSED SAMPLING PLAN

Project No. 11229324
Date November 2021

FIGURE 3

Filename: \\ghdnafph1\US\Midland\Projects\62\11229324\Digital_Design\ACAD\Figures\RPT001\11229324-GHD-0000-RPT-EN-0101_DL-001.dwg

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

Tables

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

Sample ID	Sample Date	Depth (feet bgs)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	BTEX (mg/Kg)	TPH GRO(C6-C10) (mg/Kg)	TPH DRO(C10-C28) (mg/Kg)	TPH MRO (C28-C35) (mg/Kg)	Total GRO/DRO/MRO (mg/Kg)	Chloride (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
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**
TP11-S	6/24/21	0	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<48	<60
TP11-2	6/24/21	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.5	<48	<48	**130**

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

Sample ID	Sample Date	Depth (feet bgs)	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylenes (mg/Kg)	BTEX (mg/Kg)	TPH GRO(C6-C10) (mg/Kg)	TPH DRO(C10-C28) (mg/Kg)	TPH MRO (C28-C35) (mg/Kg)	Total GRO/DRO/MRO (mg/Kg)	Chloride (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
TP12-S	6/24/21	0	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.5	<47	<47	<60
TP12-2	6/24/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	**330**
TP13-S	6/24/21	0	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<8.7	<43	<43	<60
TP13-2	6/24/21	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	**310**
TP14-2	6/25/21	2	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.7	<48	<48	**6,000**
TP14-6	6/25/21	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	**3,300**
TP14-10	6/25/21	10	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.5	<47	<47	**1,100**
TP14-12	6/25/21	12	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.1	<46	<46	**310**
TP15-S	6/25/21	Surface	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.2	<46	<46	<60
TP15-2	6/25/21	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	<60
TP16-S	6/25/21	Surface	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<48	<48	<60
TP16-2	6/25/21	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	**400**
TP17-S	6/25/21	Surface	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<47	<47	<60
TP17-2	6/25/21	2	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	<60
TP18-S	6/25/21	Surface	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.5	<48	<48	<60
TP18-2	6/25/21	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	**10**	<48	**10**	**140**

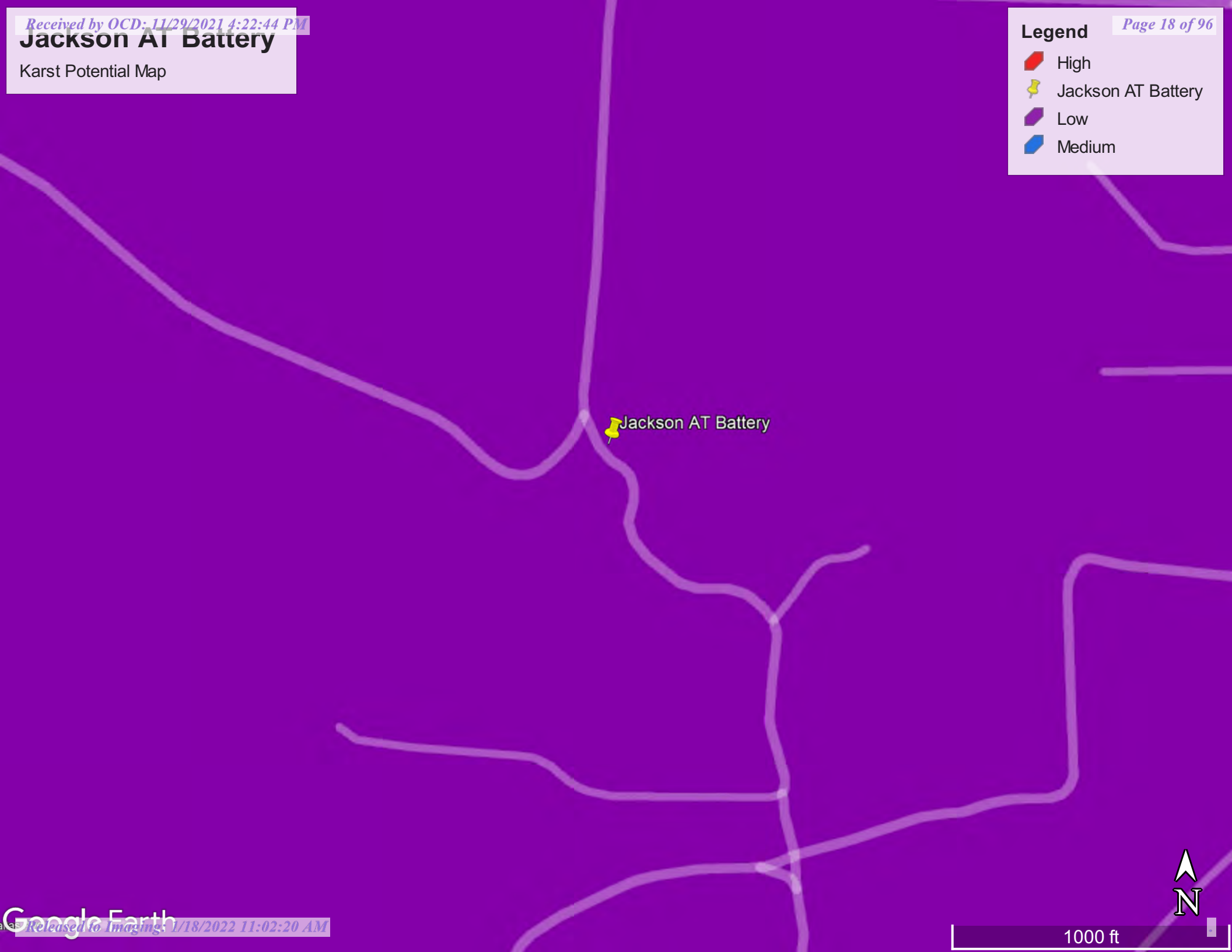
Notes:
1. Values reported in mg/kg
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4 BTEX analyses by EPA Method SW 8021B.
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed the NMOC 19.15.29.12 Table 1 Closure Criteria for the site.
8. J - the target analytes was positively identified below the quantitation limit and above the detection limit.

~~B-BH-2~~ Sample Point Excavated

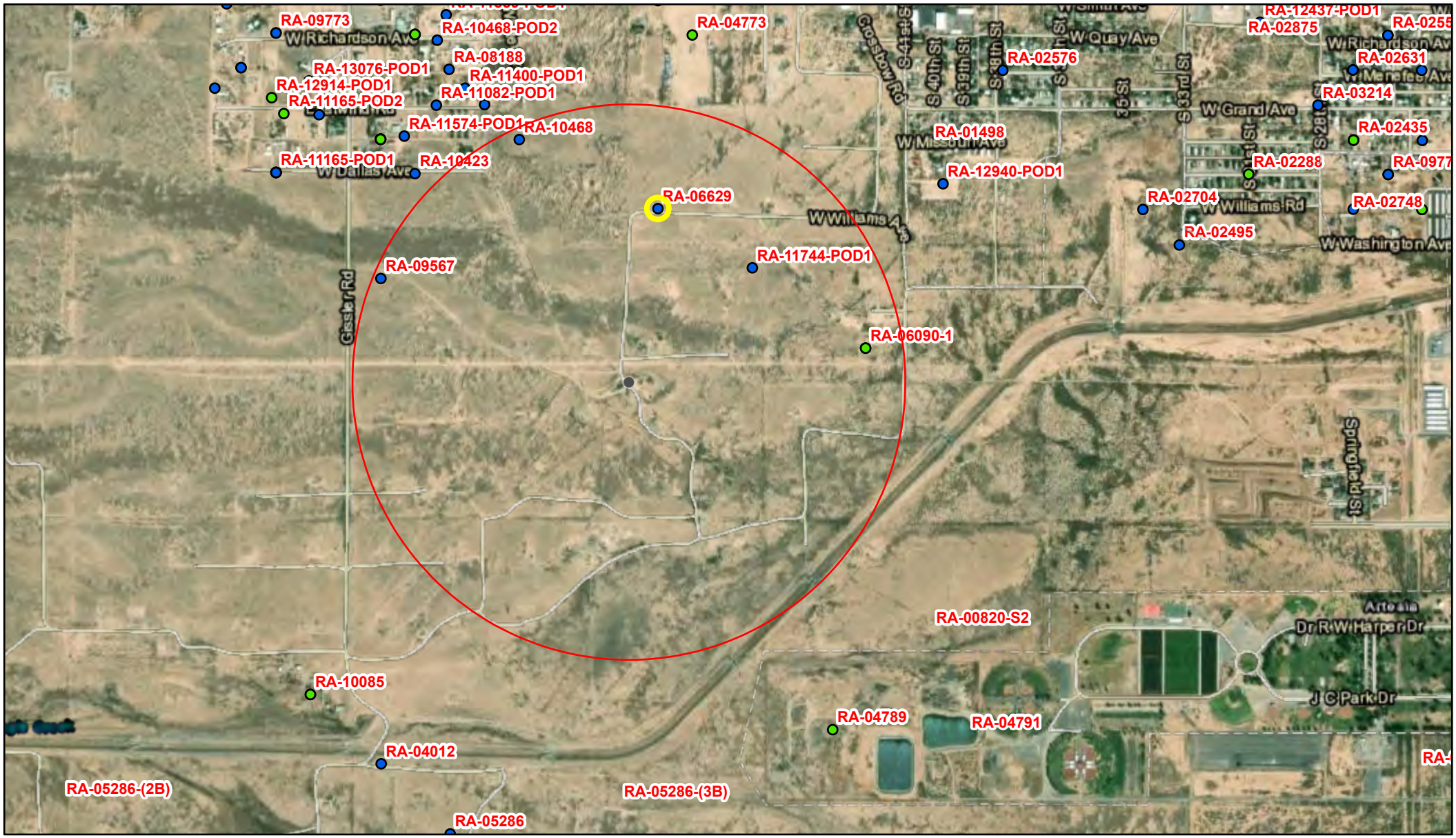
Attachment A
Site Characterization Documentation

Jackson AT Battery

Karst Potential Map



OSE PUBLIC PRINT



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

GIS WATERS PODs

- Active
- Pending

OSE District Boundary

SiteBoundaries

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Printed from Public Web Map

Unofficial Map from OSE POD Locations Web Application

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

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

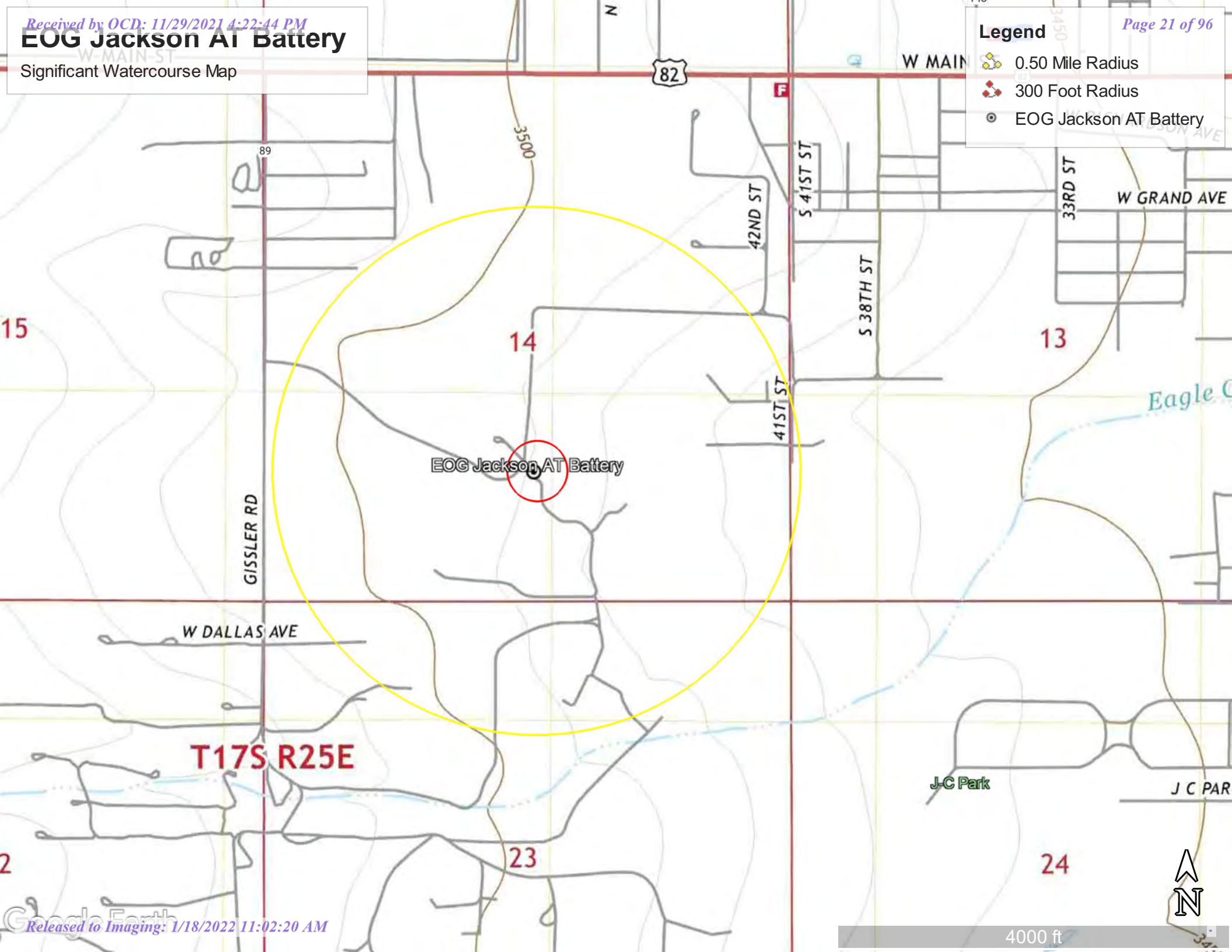
Pump Type: **Pipe Discharge Size:** **Estimated Yield:** 15 GPM

Casing Size: 5.00 **Depth Well:** 300 feet **Depth Water:** 187 feet

Water Bearing Stratifications:	Top	Bottom	Description
	187	300	Sandstone/Gravel/Conglomerate

EOG Jackson AT Battery

Significant Watercourse Map



U.S. Fish and Wildlife Service
National Wetlands Inventory

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

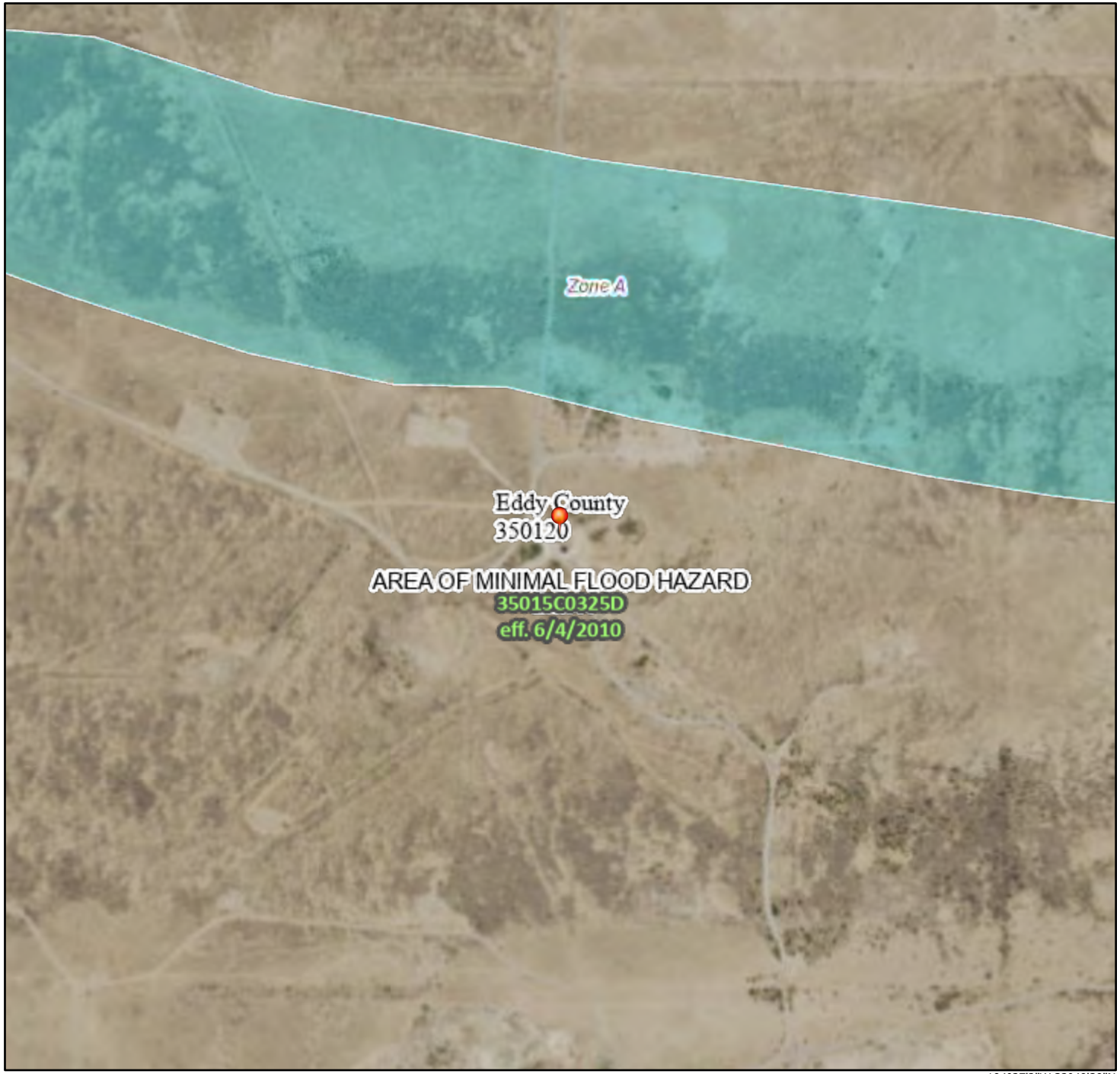
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

National Flood Hazard Layer FIRMette

FEMA

104°27'39"W 32°50'9"N



104°27'2"W 32°49'39"N

0 250 500 1,000 1,500 2,000 Feet

1:6,000

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

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
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

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

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

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

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

July 08, 2021

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

RE: Jackson AT Battery OrderNo.: 2106D64

Dear Becky Haskell:

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

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106D64
Project: Jackson AT Battery

Lab ID: 2106D64-001 **Collection Date:** 6/23/2021 11:00:00 AM
Client Sample ID: TP1-4 **Matrix:** SOIL

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106D64
Project: Jackson AT Battery

Lab ID: 2106D64-003 **Collection Date:** 6/23/2021 12:35:00 PM
Client Sample ID: TP1-18 **Matrix:** SOIL

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 Quanitative 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 **Lab Order:** 2106D64
Project: Jackson AT Battery

Lab ID: 2106D64-004 **Collection Date:** 6/23/2021 12:45:00 PM
Client Sample ID: TP1-20 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch 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.	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 Quanitative 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 **Lab Order:** 2106D64
Project: Jackson AT Battery

Lab ID: 2106D64-006 **Collection Date:** 6/23/2021 1:30:00 PM
Client Sample ID: TP2-10 **Matrix:** SOIL

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 Quanitative 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 **Lab Order:** 2106D64
Project: Jackson AT Battery

Lab ID: 2106D64-007 **Collection Date:** 6/23/2021 2:20:00 PM
Client Sample ID: TP2-18 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	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.	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 Quanitative 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 **Lab Order:** 2106D64
Project: Jackson AT Battery

Lab ID: 2106D64-009 **Collection Date:** 6/23/2021 2:40:00 PM
Client Sample ID: TP3-S **Matrix:** SOIL

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 Quanitative 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 **Lab Order:** 2106D64
Project: Jackson AT Battery

Lab ID: 2106D64-010 **Collection Date:** 6/23/2021 2:50:00 PM
Client Sample ID: TP3-2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	140	59		mg/Kg	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 Quanitative 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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Completed By: Cheyenne Cason 6/25/2021 9:20:13 AM

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° 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: 6.25.21 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 5-day

Project Name: Jackson AT Battery

Project #: 11229324

Project Manager: Becky Haskell, Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): -1.1-0=-1.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2106064	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	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)	Chloride Method 300
06/23/21	1100	S	TP1-4	Jar		001	X	X									
	1115		TP1-10			002											
	1125		TP1-18			003											
	1245		TP1-20			004											
	1320		TP2-2			005											
	1330		TP2-10			006											
	1420		TP2-18			007											
	1430		TP2-20			008											
	1440		TP3-5			009											
	1450		TP3-2			010											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
06/24/21	0800	Zach Comino			6/24/21	800
6/24/21	1400			courier	6/25/21	7:30

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

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

July 09, 2021

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

RE: Jackson AT Battery OrderNo.: 2106E36

Dear Becky Haskell:

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

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-001 **Collection Date:** 6/24/2021 8:50:00 AM
Client Sample ID: TP4-2 **Matrix:** SOIL

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-003 **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 Quanitative 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 **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-004 **Collection Date:** 6/24/2021 9:40:00 AM
Client Sample ID: TP5-2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-006 **Collection Date:** 6/24/2021 9:55:00 AM
Client Sample ID: TP6-2 **Matrix:** SOIL

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 Quanitative 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 **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-007 **Collection Date:** 6/24/2021 10:05:00 AM
Client Sample ID: TP7-S **Matrix:** SOIL

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-009 **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 Quanitative 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 **Lab Order:** 2106E36
Project: Jackson AT Battery

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

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-011 **Collection Date:** 6/24/2021 10:40:00 AM
Client Sample ID: TP8-10 **Matrix:** SOIL

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 Quanitative 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 **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-012 **Collection Date:** 6/24/2021 10:55:00 AM
Client Sample ID: TP9-2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1200	60		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.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1400	59		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.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-014 **Collection Date:** 6/24/2021 12:55:00 PM
Client Sample ID: TP9-17 **Matrix:** SOIL

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 Quanitative 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 **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-015 **Collection Date:** 6/24/2021 1:05:00 PM
Client Sample ID: TP9-20 **Matrix:** SOIL

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-016 **Collection Date:** 6/24/2021 1:20:00 PM
Client Sample ID: TP10-S **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	ND	60		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 Quanitative 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 **Lab Order:** 2106E36
Project: Jackson AT Battery

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

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 Quanitative 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 **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-018 **Collection Date:** 6/24/2021 1:40:00 PM
Client Sample ID: TP11-S **Matrix:** SOIL

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-019 **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 Quanitative 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 **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-020 **Collection Date:** 6/24/2021 1:55:00 PM
Client Sample ID: TP12-S **Matrix:** SOIL

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

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

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 Quanitative 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 **Lab Order:** 2106E36
Project: Jackson AT Battery

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E36
Project: Jackson AT Battery

Lab ID: 2106E36-023 **Collection Date:** 6/24/2021 2:30:00 PM
Client Sample ID: TP13-2 **Matrix:** SOIL

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 Quanitative 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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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.	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 Quanitative 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: **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: **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			

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 Quanitative 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-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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD | Work Order Number: 2106E36 | RcptNo: 1

Received By: Juan Rojas 6/26/2021 8:30:00 AM

Completed By: Cheyenne Cason 6/26/2021 10:16:03 AM

Reviewed By: SGL 6/28/21

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° 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: 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 5-Day

Project Name: Jackson AT Battery

Project #: 1122324

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 0.9-0.2=0.7 (0.7-0.2=0.1)

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2106E36	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	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)
062421	0850	S	TP4-2	Jar		001	X	X								X (Chloride Method 300)
	0855		TP4-6			002										
	0915		TP5-S			003										
	0940		TP5-2			004										
	0950		TP6-S			005										
	0955		TP6-2			006										
	1005		TP7-S			007										
	1010		TP7-2			008										
	1020		TP8-2			009										
	1030		TP8-6			010										
	1040		TP8-10			011										
	1055		TP9-2			012										

Date	Time	Relinquished by	Received by	Via	Date	Time
0800	062521	Zach Comino		Courier	6/26/21	8:30

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

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: Jackson AT Battery

Project #: 1122324

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 2

Cooler Temp(including CF): 0.9-0.2=0.7

0.3-0.2=0.1

HALL ENVIRONMENTAL ANALYSIS LABORATORY
www.hallenvironmental.com
4901 Hawkins NE - Albuquerque, NM 87109
Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2106E36	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	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)	Chloride Method 300.0
6/25/21	1110	S	TP9-10	Jar		013	X	X									X
	1255		TP9-17			014											
	1305		TP9-20			015											
	1320		TP10-S			016											
	1330		TP10-2			017											
	1340		TP11-S			018											
	1345		TP11-2			019											
	1355		TP12-S			020											
	1400		TP12-2			021											
	1415		TP13-S			022											
	1430		TP13-2			023											

Analysis Request

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
6/25/21	0900	Zach Comino		courier	6/26/21	5:30
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time

Remarks: Please email: Chase_Settle@eogresources.com; Tom.Larson@ghd.com; Zach.Comino@ghd.com: Along with 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

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

July 08, 2021

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

RE: Jackson AT Battery OrderNo.: 2106E37

Dear Becky Haskell:

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

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E37
Project: Jackson AT Battery

Lab ID: 2106E37-001 **Collection Date:** 6/25/2021 8:10:00 AM
Client Sample ID: TP14-2 **Matrix:** SOIL

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 Quanitative 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 **Lab Order:** 2106E37
Project: Jackson AT Battery

Lab ID: 2106E37-002 **Collection Date:** 6/25/2021 8:15:00 AM
Client Sample ID: TP14-6 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	3300	150		mg/Kg	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 Quanitative 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 **Lab Order:** 2106E37
Project: Jackson AT Battery

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

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 Quanitative 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 **Lab Order:** 2106E37
Project: Jackson AT Battery

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

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 Quanitative 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 **Lab Order:** 2106E37
Project: Jackson AT Battery

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

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 300.0: ANIONS						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 Quanitative 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 **Lab Order:** 2106E37
Project: Jackson AT Battery

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

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

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

Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland **Lab Order:** 2106E37
Project: Jackson AT Battery

Lab ID: 2106E37-007 **Collection Date:** 6/25/2021 8:50:00 AM
Client Sample ID: TP16-S **Matrix:** SOIL

Analyses	Result	RL	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.	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 Quanitative 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 **Lab Order:** 2106E37
Project: Jackson AT Battery

Lab ID: 2106E37-009 **Collection Date:** 6/25/2021 9:15:00 AM
Client Sample ID: TP17-S **Matrix:** SOIL

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 Quanitative 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 **Lab Order:** 2106E37
Project: Jackson AT Battery

Lab ID: 2106E37-010 **Collection Date:** 6/25/2021 9:20:00 AM
Client Sample ID: TP17-2 **Matrix:** SOIL

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	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.	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 Quanitative 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 **Lab Order:** 2106E37
Project: Jackson AT Battery

Lab ID: 2106E37-012 **Collection Date:** 6/25/2021 9:40:00 AM
Client Sample ID: TP18-2 **Matrix:** SOIL

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 Quanitative 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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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.	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 Quanitative 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-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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD | Work Order Number: 2106E37 | RcptNo: 1

Received By: Juan Rojas 6/26/2021 8:30:00 AM

Completed By: Cheyenne Cason 6/26/2021 10:34:03 AM

Reviewed By: SEL 6/27/21

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° 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: 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 5-Day

Project Name: Jackson AT Battery

Project #: 11229324

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 2

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

0.3-0.2=0.1

HEAL No. 2106E37

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	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)	Chloride Method 300
06/25/21	0810	S	TP14-2	Jar		001	X	X									X
	0815		TP14-6			002											
	0830		TP14-10			003											
	0835		TP14-12			004											
	0840		TP15-S			005											
	0845		TP15-2			006											
	0850		TP16-S			007											
	0900		TP16-2			008											
	0915		TP17-S			009											
	0920		TP17-2			010											
	0930		TP18-S			011											
	0940		TP18-2			012											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
06/25/21	1200	Zach Comino				
Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
				Courier	6/26/21	8:30

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.

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 64102

CONDITIONS

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

CONDITIONS

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