

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	nAPP2127156073
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) nAPP2127156073
Contact mailing address 104 S. 4th Street, Artesia, NM 88210	

### Location of Release Source

Latitude 32.82313 Longitude -104.45703  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Gissler AV Battery	Site Type Battery
Date Release Discovered 9/22/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
F	23	17S	25E	Eddy

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Gatewood, Paula Ruth & Richard )

### Nature and Volume of Release

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

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

Cause of Release Historical impacts were discovered during the decommissioning process of the battery. The environmental consultant contracted to investigate the area determined on 9/22/21 based on the impacted area footprint that the release more than likely breached the reportable volume threshold.

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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*

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Chase Settle</u> Signature: <u></u> email: <u>Chase_Settle@eogresources.com</u>	Title: <u>Rep Safety &amp; Environmental Sr</u> Date: <u>9/28/21</u> Telephone: <u>575-748-1471</u>
<b><u>OCD Only</u></b> Received by: <u>Ramona Marcus</u> Date: <u>10/01/2021</u>	

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## Site Assessment/Characterization

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

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

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

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental SrSignature: Chase Settle Date: 03/21/2022email: Chase\_Settle@eogresources.com Telephone: 575-748-1471**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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## Remediation Plan

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

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

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

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

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

Printed Name: Chase Settle Title: Rep Safety & Environmental Sr  
Signature: Chase Settle Date: 03/21/2022  
email: Chase\_Settle@eogresources.com Telephone: 575-748-1471

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature: Jennifer Nobui Date: 03/30/2022

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## Closure

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

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

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

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

Printed Name: Amber Griffin Title: Rep Safety & Environmental Sr  
Signature: Amber Griffin Date: 6/30/2022  
email: Amber\_Griffin@eogresources.com Telephone: 575-748-1471

### OCD Only

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Closure Approved by: Bradford Billings Date: 07/12/2022  
Printed Name: Bradford Billings Title: Enviro.Spec.A

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

Our ref: 112563391

June 30, 2022

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

Re: Site Closure Report  
Gissler AV Battery Release Site  
EOG Resources Inc.  
Incident ID: nAPP2127156073  
F-23-17S-25E, Eddy County New Mexico

## 1. Introduction

GHD Services, Inc. (GHD), on behalf of EOG Resources (EOG), submits this Site Closure Report to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, remedial activities and analyses that was conducted in the affected area at the EOG Gissler AV Battery Release Site (Site). The Site is located in Unit Letter F, Section 23 of Township 17 South and Range 25 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.82313° N latitude and 104.45703° W longitude. The release occurred on land privately owned by Paula Ruth and Richard Gatewood. Figure 1 depicts the Site location. The EOG production facility and other site details are depicted on Figures 2 and 3.

## 2. Background Information

A C-141, Release Notification, for this release was submitted to the NMOCD on September 28, 2021. The C-141 stated that no known volume or date could be assigned to this historical release. The potential release area was discovered during EOG decommissioning process associated with this location. Soils within the former tank battery containment appeared to be discolored. On September 22, 2021, GHD was on Site to investigate if the stained soils constituted a reportable release. Based on the results of that investigation and after discussions between field personnel and environmental staff, EOG made the decision to file a C-141 for this suspect 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 nAPP2127156073. The Release Notification, Site Assessment/Characterization, Remediation Plan, and Closure portions of Form C-141 are attached to the front of this report.

## 3. Groundwater and Site Characterization

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

19.15.29.12). GHD, on behalf of EOG, proposed to divide the Site into two (2) separate areas ("Area A" and "Area B") due to a significant watercourse being located within three hundred (300) feet of the southern portion of the Site.

#### **Area A:**

According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), Area A, approximately 1,174 square yards of the impacted surface area on the Southern extent of the Site, is located within three (300) feet of a significant watercourse and must be treated as if groundwater is less than fifty (50) feet below ground surface. Additionally, Area A is located within three hundred (300) feet of a wetland. No other receptors (Groundwater, water wells, playas, or ordinance boundaries) were located within each specific boundary or distance from the site. Figure 3, Site Boundary Map, depicts the boundary of Area A and Area B from the significant watercourse. The Site characterization documentation (Karst Potential, FEMA, Points of Diversion, Wetlands maps and significant watercourse) are provided in Attachment A. The soil and closure criteria are listed below and will be referred to as **Standard A** in this report.

#### *General Site Characterization and Groundwater:*

Site Characterization	Average Groundwater Depth (ft)
No Receptors Found	Unknown, Treated as <50 ft

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

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

#### **Area B:**

Depth to groundwater at the Site is estimated to be greater than one hundred (100) feet below ground surface based on the nearest water well data collected from the USGS National Water Information System: Mapper database. The nearest permitted well USGS 324930104272301 with depth to groundwater information is located approximately 0.13 miles north-northeast of the Site, with a depth to groundwater of 201.74 feet below ground surface as measured on January 15, 2015. According to the Site characterization evaluation and 19.15.29.12.C(4)(a)(i), Area B, approximately 3,315 square yards of the impacted surface area on the northern extent of the Site, is located within an area that meets closure criteria for depth to groundwater greater than one hundred (100) feet. No other receptors (Karst areas, significant watercourses, water wells, playas, wetlands or ordinance boundaries) were located within each specific boundary or distance from the site. The Site characterization documentation (Karst Potential, USGS Well log, USGS Well Map, FEMA, Points of Diversion, Wetlands maps and significant watercourse) are provided in Attachment A. The soil and closure criteria are listed below and will be referred to as **Standard B** in this report.

#### *General Site Characterization and Groundwater:*

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

Table 3.2 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

#### 4. Initial Soil Delineation Assessment Summary and Findings

Between September 28 and October 21, 2021, GHD and EOG's contractor Standard Safety and Supply (SS) installed twenty-nine (29) test pits, TP1 through TP29, within the suspected impacted area. Soil samples were collected at depths ranging from the surface to 20 feet below ground surface. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

Fifteen (15) of the twenty-nine (29) test pits had samples exceeding applicable NMAC Table I Closure Criteria for groundwater less than 50 ft at varying depths: TP-1, TP-2, TP-3, TP-4, TP-5, TP-6, TP-7, TP-8, TP-9, TP-10, TP-12, TP-13, TP-15, TP-18, and TP-22. Figure 2, Site Assessment: Soil Analytical Results Map, 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 D.

Between January 4 and 5, 2022, GHD and White Drilling Co. (White) installed a soil boring SB-1 to one hundred thirty-seven (137) feet below ground surface in order to vertically delineate the area around TP-4 and TP-13. Soil samples were collected in approximate five (5) foot intervals beginning at five (5) feet below ground surface, from SB-1. All soil samples were analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300 by HEAL in Albuquerque, New Mexico. Total TPH and chloride concentrations were delineated to below 100 mg/kg and 600 mg/kg at sixty (60) feet and one hundred thirty (130) feet below ground surface, respectively. The SB-1 Soil Boring Log is provided as Attachment B.

#### 5. Excavation, Waste Management, and Confirmation Sampling

Due to the initial soil sampling activities exhibiting TPH and chloride concentrations above NMAC 19.15.29.13 Closure Criteria, GHD and EOG's contractor BDS Enterprise, LLC (BDS), mobilized to the Site on April 28, 2022, to excavate the affected soils. Excavation activities continued through June 20, 2022. As previously discussed, and approved by the NMOCD, the Site was divided into two areas; Area A and Area B. Area A Closure Criteria is for depth to groundwater less than fifty (50) feet. Area B Closure Criteria is for depth to groundwater greater than one hundred (100) feet.

**Area A:**

The final dimensions of Area A excavation measure approximately sixty (60) feet long, ranges in width from approximately twenty-five (25) to ninety-five (95) feet, and ranges from two (2) to twenty-two (22) feet deep. As shown on Figure 4, twenty-three (23) bottom hole (BH-1 through BH-23) and eighteen (18) sidewall (SW-1 through SW-11, SW-12, and SW-15 through SW-20) initial composite confirmation samples were collected. Bottomhole composite samples represented areas no larger than four hundred (400) square feet and sidewall composite samples represented area no larger than two hundred (200) square feet, as per NMOCD conditions of approval. All confirmation samples were taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated nine (9) bottom hole confirmation samples exhibited chloride concentrations above Table I Closure Criteria: BH-12, BH-13, BH-14, BH-15, BH-16, BH-17, BH-18, BH-19, and BH-21. Bottom hole confirmation sample BH-19 also exhibited TPH concentrations above Table I Closure Criteria. Analytical results indicated none of the remaining samples exhibited BTEX, TPH, or chloride concentrations above Table I Closure Criteria. Analytical results for confirmation samples are provided on Table 1 and in the Laboratory Analytical Reports provided in Attachment D.

Due to confirmation samples exhibiting chloride and TPH concentrations above Table I Closure Criteria, GHD and BDS returned to the Site on May 24, 2022, to further excavate the affected area. The area around BH-19 was further excavated one (1) foot deeper to twenty-one (21) feet total depth and resampled (BH-19A). Due to the depth of the chloride concentrations in the other bottom hole confirmation samples (twenty (20) feet deep), those concentrations were left in place and a twenty (20) millimeter synthetic liner was installed in the bottom of the excavation over the affected area (BH-12 through BH-21), as per the approved work plan. The confirmation sample was taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated the bottom hole confirmation sample exhibited TPH concentrations above Table I Closure Criteria: BH-19A. Analytical results for confirmation samples are provided on Table 1, and in the Laboratory Analytical Reports provided in Attachment D.

Due to confirmation sample BH-19A exhibiting TPH concentrations above Table I Closure Criteria, GHD and BDS returned to the Site on June 6, 2022, to further excavate the affected area. The area around BH-19 was further excavated one (1) foot deeper to twenty-two (22) feet total depth and resampled (BH-19B). The confirmation sample was taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated the bottom hole confirmation sample did not exhibit BTEX, TPH, or chloride concentrations above Table I Closure Criteria. Analytical results for confirmation samples are provided on Table 1 and in the Laboratory Analytical Reports provided in Attachment D.

**Area B:**

The final dimensions of Area B excavation measure approximately one hundred eighty-six (186) ft long, ranges in width from approximately ninety (90) to one hundred (100) feet, and ranges from four (4) to twenty-one (21) feet deep. As shown on Figure 4, eighty-five (85) bottom hole (BH-24 through BH-108) and twenty-seven (27) sidewall (SW-13, SW-14, and SW-21 through SW-45) composite confirmation samples were collected. Bottomhole composite samples represented areas no larger than four hundred (400) square feet and sidewall composite samples represented area no larger than two hundred (200) square feet, as per NMOCD conditions of approval. All confirmation samples were taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated two (2) bottom hole and six (6) sidewall confirmation samples exhibited TPH concentrations above Table I Closure Criteria: BH-28, BH-37, SW-26, SW-27, SW-31, SW-32, SW-41, and SW-42. Analytical results indicated none of the remaining samples exhibited BTEX, TPH,

or chloride concentrations above Table I Closure Criteria. Analytical results for confirmation samples are provided on Table 1 and in the Laboratory Analytical Reports provided in Attachment D.

Due to confirmation samples exhibiting chloride and TPH concentrations above Table I Closure Criteria, GHD and BDS returned to the Site on May 24, May 25, and June 6, 2022, to further excavate the affected areas. The area around BH-28 was further excavated one-half (0.5) foot deeper to six and one-half (6.5) feet total depth and resampled (BH-28A). The area around BH-37 was further excavated one-half (0.5) foot deeper to sixteen and one-half (16.5) feet total depth and resampled (BH-37A). Sidewalls with sidewall confirmation samples exhibiting TPH concentrations above Table I Closure Criteria were excavated further and resampled (SW-26A, SW-31A, SW-32A, SW-41A, and SW-42A). Confirmation samples were taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated one (1) of the sidewall confirmation samples exhibited TPH concentrations above Table I Closure Criteria: SW-41A. Analytical results indicated none of the remaining samples exhibited BTEX, TPH, or chloride concentrations above Table I Closure Criteria. Analytical results for confirmation samples are provided on Table 1 and in the Laboratory Analytical Reports provided in Attachment D.

Due to confirmation SW-41A exhibiting TPH concentrations above Table I Closure Criteria, GHD and BDS returned to the Site on June 20, 2022, to further excavate the affected area. The sidewall area where SW-41A was collected was further excavated and resampled (SW-41B). The confirmation sample was taken to HEAL in Albuquerque, New Mexico and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300. Analytical results indicated the sidewall confirmation sample did not exhibit BTEX, TPH, or chloride concentrations above Table I Closure Criteria. Analytical results for confirmation samples are provided on Table 1 and in the Laboratory Analytical Reports provided in Attachment D.

Waste Management activities were performed in coordination with EOG directives. EOG obtained regulatory approval via the successful processing of Form C-138 Request for Approval to Accept Solid Waste. The waste was approved for acceptance at the OCD-permitted (WM-1-035), Lea Land, LLC facility located at MM64, Highway 62/180 East, Carlsbad, NM, 88220. Approximately 10,988.53 tons of impacted soil were disposed at Lea Land, LLC, the waste manifests from May 2 through June 21, 2022, are available upon request and are not included in this report due to size of the file. A Daily Disposal Summary is provided as Table 2. A photographic log is included as Attachment C. Confirmation Sampling Notifications are provided at Attachment E.

## 6. nAPP2127156073 Closure Request

The excavation will be backfilled with non-impacted material at a future date. Site characterization, soil delineation, and remediation activities for this incident number have been performed in accordance with applicable NMOCD guidance and regulations. Based upon supporting documentation provided in this report, GHD, on behalf of EOG, respectfully requests closure and no further regulatory actions for nAPP2127156073.

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

Sincerely,

GHD

Becky Haskell  
Senior Project Manager



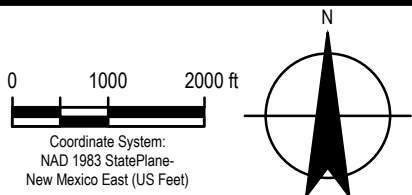
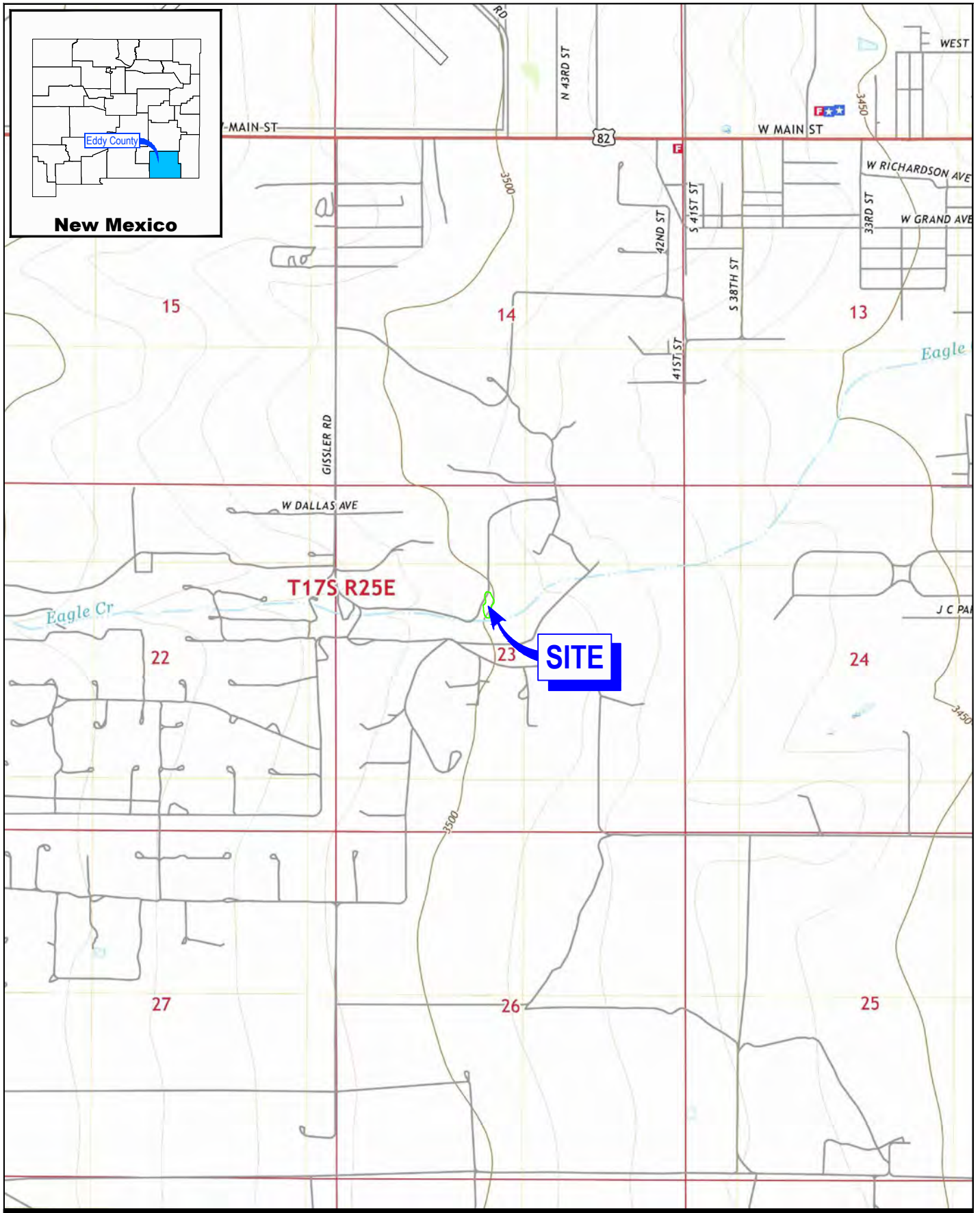
Nate Reece  
Environmental Scientist

NR/bh/1

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

CC: Chase Settle

## Figures



EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
GISSLER AV BATTERY

Project No. 12563391-02  
Date February 2022

SITE LOCATION MAP

FIGURE 1

Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride	
			(mg/kg)	(mg/kg)	Total GRO/DRO/MRO		(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC				
			10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg	
Initial Assessment Samples - Test Pit							
TP1-S	9/28/2021	Surface	<0.024	<0.097	244	<60	
TP1-2	9/28/2021	2	<0.024	<0.098	<48	<60	
TP2-S	9/28/2021	Surface	<0.12	<0.49	2,480	<60	
TP2-2	9/28/2021	2	<0.024	<0.096	1,490	<60	
TP2-4	9/28/2021	4	<0.025	<0.098	<49	<59	
TP3-4	9/28/2021	4	<0.12	<0.49	3,400	2,400	
TP3-8	9/28/2021	8	<0.12	<0.48	18,770	3,000	
TP3-12	9/28/2021	12	<0.12	<0.49	5,000	2,500	
TP3-16	9/28/2021	16	<0.12	<0.50	<48	330	
TP3-20	9/28/2021	20	<0.12	<0.47	<48	360	
TP4-2	9/28/2021	2	<0.12	<0.49	9,000	84	
TP4-4	9/28/2021	4	<0.12	<0.50	1,890	89	
TP4-8	9/28/2021	8	<0.12	<0.49	1,710	85	
TP4-14	9/28/2021	14	<0.12	<0.48	88	120	
TP4-20	9/28/2021	20	0.28	34.78	5,900	170	
TP5-2	9/29/2021	2	<0.024	<0.095	710	380	
TP5-8	9/29/2021	8	<0.023	<0.093	720	450	
TP5-16	9/29/2021	16	<0.024	<0.096	<46	<60	
TP5-20	9/29/2021	20	<0.023	<0.092	82	-	
TP6-4	9/29/2021	4	<0.024	<0.097	2,170	930	
TP6-8	9/29/2021	8	<0.024	<0.098	<47	1,100	
TP6-12	9/29/2021	12	<0.024	<0.097	<50	640	
TP6-16	9/29/2021	16	<0.12	<0.50	<49	180	
TP6-18	9/29/2021	18	<0.12	<0.48	<49	-	
TP6-20	9/29/2021	20	<0.023	<0.093	<48	-	
TP7-2	9/29/2021	2	<0.024	<0.096	<50	930	
TP7-8	9/29/2021	8	<0.024	<0.097	<50	1,200	
TP7-12	9/29/2021	12	<0.023	<0.094	<49	190	
TP7-14	9/29/2021	14	<0.025	<0.099	<48	-	
TP8-2	9/29/2021	2	<0.024	<0.098	<48	1,100	
TP8-6	9/29/2021	6	<0.025	<0.10	<49	1,300	
TP8-10	9/29/2021	10	<0.023	<0.093	<49	1,300	
TP8-14	9/29/2021	14	<0.024	<0.096	<49	630	
TP8-16	9/29/2021	16	<0.023	<0.093	<46	-	
TP9-2	9/29/2021	2	<0.024	<0.096	<47	1,800	
TP9-6	9/29/2021	6	<0.025	<0.099	<50	1,700	
TP9-10	9/29/2021	10	<0.024	<0.095	<47	120	
TP9-12	9/29/2021	12	<0.024	<0.097	<50	-	
TP10-2	9/29/2021	2	<0.025	<0.098	<48	2,400	
TP10-6	9/29/2021	6	<0.025	<0.099	<47	1,900	
TP10-8	9/29/2021	8	<0.024	<0.094	<49	110	
TP10-9	9/29/2021	9	<0.025	<0.099	<45	-	
TP11-S	9/29/2021	Surface	<0.024	<0.094	<46	<60	
TP11-2	9/29/2021	2	<0.025	<0.10	<48	210	
TP12-2	10/20/2021	2	<0.025	<0.10	<48	130	
TP12-4	10/20/2021	4	<0.024	<0.096	450	410	
TP12-6	10/20/2021	6	<0.024	<0.096	<49	<60	

Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride
			(mg/kg)	(mg/kg)	Total GRO/DRO/MRO	
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC			
			10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg
			Initial Assessment Samples - Test Pit			
TP13-2	10/20/2021	2	<0.12	<0.47	3,900	870
TP13-6	10/20/2021	6	<0.12	<0.48	4,300	790
TP13-10	10/20/2021	10	<0.025	<0.099	1,290	1,600
TP13-15	10/20/2021	15	<0.025	<0.099	266	2,600
TP13-18	10/20/2021	18	<0.024	<0.096	83	2,700
TP13-20	10/20/2021	20	<0.024	<0.097	<49	2,400
TP14-S	10/20/2021	Surface	<0.025	<0.10	<49	<60
TP14-2	10/20/2021	2	<0.025	<0.099	<50	<60
TP15-2	10/20/2021	2	<0.12	<0.50	9,100	1,600
TP15-6	10/20/2021	6	<0.024	<0.095	<50	1,000
TP15-10	10/20/2021	10	<0.025	<0.099	<48	1,600
TP15-14	10/20/2021	14	<0.023	<0.092	<49	990
TP15-16	10/20/2021	16	<0.023	<0.093	<50	440
TP16-S	10/20/2021	Surface	<0.024	<0.096	<49	<60
TP16-2	10/20/2021	2	<0.024	<0.096	<48	<59
TP17-S	10/21/2021	Surface	<0.024	<0.097	<47	<60
TP17-2	10/21/2021	2	<0.024	<0.096	<48	73
TP18-S	10/21/2021	Surface	<0.023	<0.094	114	<3.0
TP18-2	10/21/2021	2	<0.024	<0.096	<50	<60
TP19-2	10/21/2021	2	<0.023	<0.093	<49	560
TP19-4	10/21/2021	4	<0.024	<0.097	<48	62
TP20-S	10/21/2021	Surface	<0.023	<0.094	<48	<60
TP20-2	10/21/2021	2	<0.025	<0.099	<47	120
TP21-S	10/21/2021	Surface	<0.023	<0.093	75	<60
TP21-2	10/21/2021	2	<0.024	<0.095	<47	77
TP22-2	10/21/2021	2	<0.024	<0.097	<49	860
TP22-4	10/21/2021	4	<0.024	<0.095	<49	430
TP22-6	10/21/2021	6	<0.024	<0.095	<48	210
TP23-S	10/21/2021	Surface	<0.025	<0.10	<48	<60
TP23-2	10/21/2021	2	<0.024	<0.095	<48	<60
TP24-S	10/21/2021	Surface	<0.023	<0.093	<47	<60
TP24-2	10/21/2021	2	<0.023	<0.093	<50	260
TP25-S	10/21/2021	Surface	<0.023	<0.094	<45	<60
TP25-2	10/21/2021	2	<0.024	<0.098	<48	140
TP26-S	10/21/2021	Surface	<0.023	<0.093	<47	<60
TP26-2	10/21/2021	2	<0.024	<0.097	<48	<60
TP27-S	10/21/2021	Surface	<0.024	<0.098	<47	150
TP27-2	10/21/2021	2	<0.024	<0.094	<48	<60
TP28-S	10/21/2021	Surface	<0.024	<0.097	<47	<60
TP28-2	10/21/2021	2	<0.025	<0.098	<51	<61
TP29-S	10/21/2021	Surface	<0.024	<0.097	<49	<60
TP29-2	10/21/2021	2	<0.023	<0.094	<48	<60

NOTES:

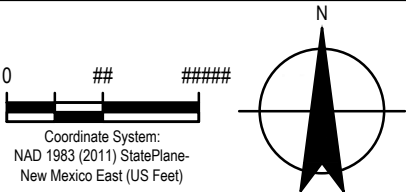
1. RESULTS IN MILLIGRAMS PER KILOGRAM (MG/KG).
2. SEE TABLE 1 FOR FULL ANALYTICAL RESULTS/DETAILS.
3. YELLOW SHADED CELLS INDICATE EXCEEDANCE.

Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride
					Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC			
			10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg
Soil Boring Samples						
SB-1-5	1/4/2022	5	<0.12	<0.49	2,800	1,400
SB-1-10	1/4/2022	10	<0.025	<0.10	<49	2,100
SB-1-15	1/4/2022	15	<0.025	<0.098	<49	2,600
SB-1-20	1/4/2022	20	<0.12	<0.50	105	1,200
SB-1-25	1/4/2022	25	<0.025	<0.098	13	4,000
SB-1-30	1/4/2022	30	<0.025	<0.099	<48	2,600
SB-1-35	1/4/2022	35	<0.024	<0.096	<49	5,100
SB-1-40	1/4/2022	40	<0.024	<0.096	<48	5,100
SB-1-45	1/4/2022	45	<0.025	<0.098	<47	7,700
SB-1-50	1/4/2022	50	<0.11	<0.46	156	5,100
SB-1-60	1/4/2022	60	<0.12	<0.48	<49	3,100
SB-1-70	1/4/2022	70	<0.024	<0.095	<50	2,300
SB-1-80	1/4/2022	80	<0.023	<0.091	<46	990
SB-1-90	1/4/2022	90	<0.023	<0.091	<47	5,100
SB-1-100	1/4/2022	100	<0.024	<0.095	<47	1,600
SB-1-110	1/5/2022	110	<0.024	<0.098	<46	1,000
SB-1-120	1/5/2022	120	<0.12	<0.47	35	530
SB-1-125	1/5/2022	125	<0.023	<0.094	16	840
SB-1-130	1/7/2022	130	<0.024	<0.097	<47	170
SB-1-135	1/7/2022	135	<0.025	<0.098	<48	65



LEGEND

- PROPOSED EXCAVATION AREA – VARIOUS DEPTHS
- TEST PIT LOCATION
- SOIL BORING LOCATION
- DEPTH DEPTH OF SAMPLE (FT)
- BTEX BENZENE, TOLUENE, ETHYLBENZENE & XYLENES CONCENTRATION (MG/KG)
- TPH TOTAL PETROLEUM HYDROCARBONS CONCENTRATION (MG/KG)

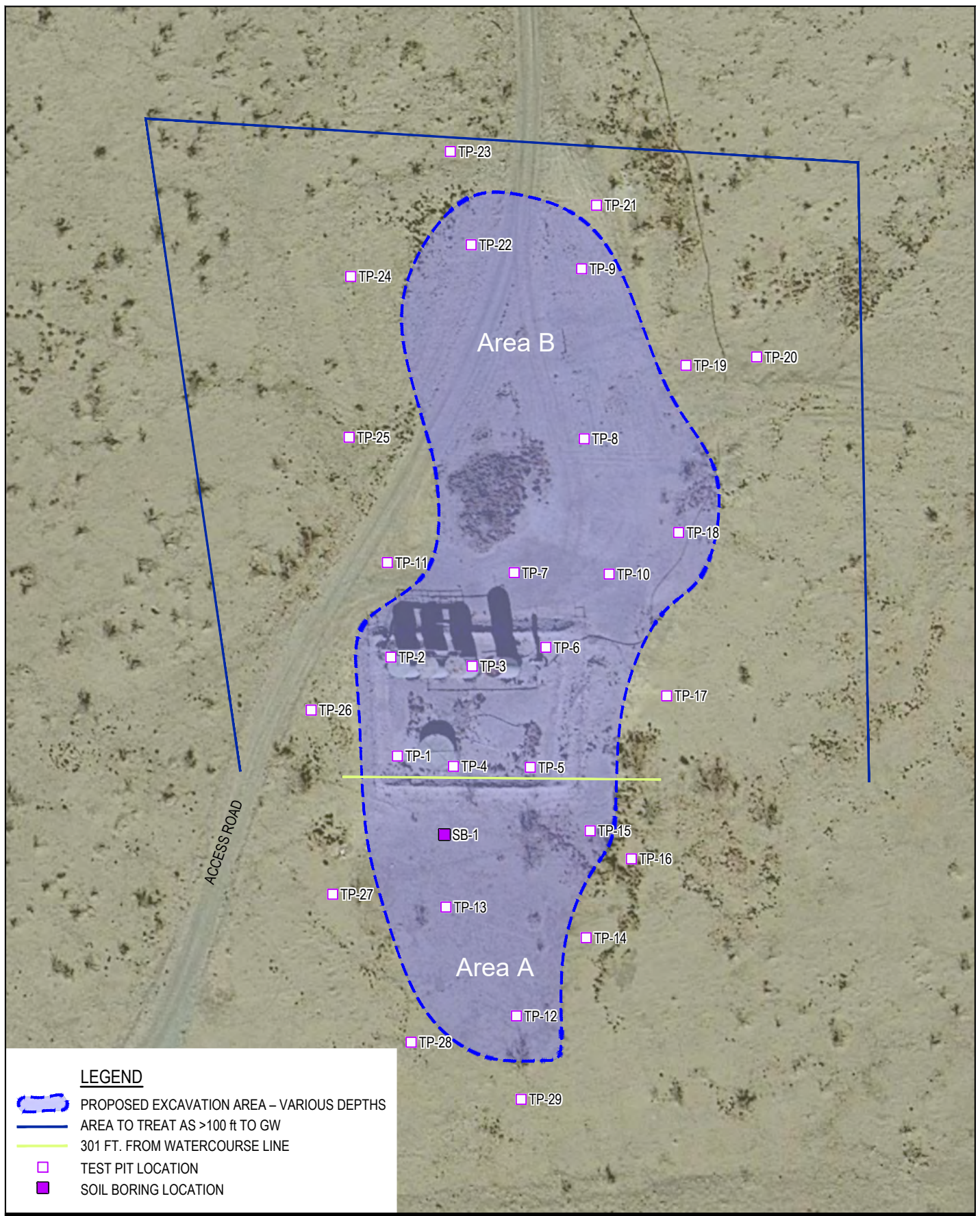


EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
GISSLER AV BATTERY

SITE ASSESSMENT:  
SOIL ANALYTICAL RESULTS MAP

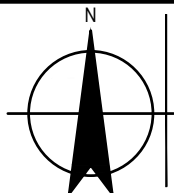
Project No. 12563391-02  
Date March 2022

FIGURE 2



0 30 60 ft

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



EOG RESOURCES  
EDDY COUNTY, NEW MEXICO  
GISSLER AV BATTERY

Project No. 12563391  
Date March 2022

SITE BOUNDARY MAP

FIGURE 3

Filename: \\ghdnet\ghd\USM\land\Projects\562\12563391\Digital\_Design\ACAD\Figures\RPT001\12563391-GHD-0000-RPT-EN-0102\_OT-001.dwg

Data Source: Image © 2021 Google - Imagery Date: December 21, 2019  
Lat/Long: 32.8230° North, 104.4569° West



Tables

**Table 1 - Area A  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
10 mg/kg	---	---	---	50 mg/kg	---	---	---	100 mg/kg	600 mg/kg			
Initial Assessment Samples - Test Pit												
TP12-2	10/20/2021	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.6	<48	<48	130
TP12-4	10/20/2021	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	140	310	450	410
TP12-6	10/20/2021	6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	<60
TP13-2	10/20/2021	2	<0.12	<0.24	<0.24	<0.47	<0.47	<24	1,200	2,700	3,900	870
TP13-6	10/20/2021	6	<0.12	<0.24	<0.24	<0.48	<0.48	<24	1,200	3,100	4,300	790
TP13-10	10/20/2021	10	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	390	900	1,290	1,600
TP13-15	10/20/2021	15	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	96	170	266	2,600
TP13-18	10/20/2021	18	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	22	61	83	2,700
TP13-20	10/20/2021	20	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.9	<49	<49	2,400
TP14-S	10/20/2021	Surface	<0.025	<0.050	<0.0050	<0.10	<0.10	<5.0	<9.7	<49	<49	<60
TP14-2	10/20/2021	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	<60
TP15-2	10/20/2021	2	<0.12	<0.25	<0.25	<0.50	<0.50	<25	4,600	4,500	9,100	1,600
TP15-6	10/20/2021	6	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<10	<50	<50	1,000
TP15-10	10/20/2021	10	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	1,600
TP15-14	10/20/2021	14	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	<9.8	<49	<49	990
TP15-16	10/20/2021	16	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<50	<50	440
TP16-S	10/20/2021	Surface	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<49	<49	<60
TP16-2	10/20/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	<59
TP27-S	10/21/2021	Surface	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	150
TP27-2	10/21/2021	2	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<48	<48	<60
TP28-S	10/21/2021	Surface	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.5	<47	<47	<60
TP28-2	10/21/2021	2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<10	<51	<51	<61
TP29-S	10/21/2021	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.8	<49	<49	<60

**Table 1 - Area A  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table 1 Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	100 mg/kg	600 mg/kg
TP29-2	10/21/2021	2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<48	<48	<60
<b>Soil Boring Samples</b>												
SB-1-5	1/4/2022	5	<0.12	<0.24	<0.24	<0.49	<0.49	<24	1,100	1,700	2,800	1,400
SB-1-10	1/4/2022	10	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	2,100
SB-1-15	1/4/2022	15	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<49	<49	2,600
SB-1-20	1/4/2022	20	<0.12	<0.25	<0.25	<0.50	<0.50	<25	51	54	105	1,200
SB-1-25	1/4/2022	25	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	13	<49	13	4,000
SB-1-30	1/4/2022	30	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	2,600
SB-1-35	1/4/2022	35	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.8	<49	<49	5,100
SB-1-40	1/4/2022	40	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<48	<48	5,100
SB-1-45	1/4/2022	45	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	7,700
SB-1-50	1/4/2022	50	<0.11	<0.23	<0.23	<0.46	<0.46	<23	46	110	156	5,100
SB-1-60	1/4/2022	60	<0.12	<0.24	<0.24	<0.48	<0.48	<24	<9.7	<49	<49	3,100
SB-1-70	1/4/2022	70	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.9	<50	<50	2,300
SB-1-80	1/4/2022	80	<0.023	<0.046	<0.046	<0.091	<0.091	<4.6	<9.1	<46	<46	990
SB-1-90	1/4/2022	90	<0.023	<0.046	<0.046	<0.091	<0.091	<4.6	<9.4	<47	<47	5,100
SB-1-100	1/4/2022	100	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.4	<47	<47	1,600
SB-1-110	1/5/2022	110	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.1	<46	<46	1,000
SB-1-120	1/5/2022	120	<0.12	<0.23	<0.23	<0.47	<0.47	<23	35	<42	35	530
SB-1-125	1/5/2022	125	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	16	<50	16	840
SB-1-130	1/5/2022	130	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.3	<47	<47	170
SB-1-135	1/5/2022	135	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<48	65
<b>Bottom Hole Confirmation Samples</b>												
BH-1	5/4/2022	2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.6	<48	<48	110
BH-2	5/4/2022	2	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	120
BH-3	5/4/2022	4-5	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<10	<50	<50	69

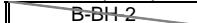
**Table 1 - Area A  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table 1 Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	100 mg/kg	600 mg/kg
BH-4	5/4/2022	4-5	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<49	66
BH-5	5/4/2022	5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<47	<47	74
BH-6	5/4/2022	5	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.8	<49	<49	60
BH-7	5/4/2022	5	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	120
BH-8	5/4/2022	5	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	<60
BH-9	5/4/2022	5	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<49	<49	210
BH-10	5/4/2022	5	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.4	<47	<47	96
BH-11	5/4/2022	5	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<50	<50	98
BH-12	5/9/2022	20	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	930
BH-13	5/9/2022	20	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<49	<49	1,200
BH-14	5/9/2022	20	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.7	<49	<49	2,000
BH-15	5/9/2022	20	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.4	<47	<47	5,700
BH-16	5/9/2022	20	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<48	1,100
BH-17	5/9/2022	20	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	2,500
BH-18	5/11/2022	20	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	25	<50	25	1,700
BH-19	5/11/2022	20	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	68	52	120	820
BH-19A	5/24/2022	21	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	68	75	143	1,200
BH-19B	6/6/2022	22	<0.016	<0.031	<0.031	<0.062	<0.062	<3.1	<15	<49	<49	1,700
BH-20	5/11/2022	20	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<10	<50	<50	230
BH-21	5/11/2022	20	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	13	<49	13	680
BH-22	5/11/2022	20	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	440
BH-23	5/11/2022	20	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	370
Sidewall Confirmation Samples												
SW-1	5/4/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.2	<46	<46	<60
SW-2	5/4/2022	Sidewall	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<46	<46	<60
SW-3	5/4/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	<60

**Table 1 - Area A  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table 1 Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	100 mg/kg	600 mg/kg
SW-4	5/4/2022	Sidewall	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.6	<48	<48	87
SW-5	5/4/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.6	<48	<48	160
SW-6	5/4/2022	Sidewall	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<50	<50	66
SW-7	5/9/2022	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<49	<49	<60
SW-8	5/9/2022	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<48	300
SW-9	5/9/2022	Sidewall	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<48	<48	420
SW-10	5/9/2022	Sidewall	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.8	<49	<49	310
SW-11	5/9/2022	Sidewall	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.3	<46	<46	350
SW-12	5/9/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<10	<50	<50	300
SW-15	5/11/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<48	<48	<60
SW-16	5/12/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.5	<48	<48	83
SW-17	5/12/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<48	<48	66
SW-18	5/12/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.7	<49	<49	140
SW-19	5/12/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.9	<50	<50	110
SW-20	5/12/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	<60

**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.
-  Sample Point Excavated

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

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

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

9. Liner installed over area as per the approved work plan

**Table 1 - Area B  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
10 mg/kg	---	---	---	50 mg/kg	---	---	---	2,500 mg/kg	20,000 mg/kg			
Initial Assessment Samples - Test Pit												
TP1-S	9/28/2021	Surface	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	44	200	244	<60
TP1-2	9/28/2021	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	<60
TP2-S	9/28/2021	Surface	<0.12	<0.25	<0.25	<0.49	<0.49	<25	580	1,900	2,480	<60
TP2-2	9/28/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	290	1,200	1,490	<60
TP2-4	9/28/2021	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	<59
TP3-4	9/28/2021	4	<0.12	<0.24	<0.24	<0.49	<0.49	<24	1,100	2,300	3,400	2,400
TP3-8	9/28/2021	8	<0.12	<0.24	<0.24	<0.48	<0.48	70	11,000	7,700	18,770	3,000
TP3-12	9/28/2021	12	<0.12	<0.24	<0.24	<0.49	<0.49	<24	1,900	3,100	5,000	2,500
TP3-16	9/28/2021	16	<0.12	<0.25	<0.25	<0.50	<0.50	<25	<9.6	<48	<48	330
TP3-20	9/28/2021	20	<0.12	<0.24	<0.24	<0.47	<0.47	<24	<9.7	<48	<48	360
TP4-2	9/28/2021	2	<0.12	<0.24	<0.24	<0.49	<0.49	<24	2,000	7,000	9,000	84
TP4-4	9/28/2021	4	<0.12	<0.25	<0.25	<0.50	<0.50	<25	290	1,600	1,890	89
TP4-8	9/28/2021	8	<0.12	<0.25	<0.25	<0.49	<0.49	<25	310	1,400	1,710	85
TP4-14	9/28/2021	14	<0.12	<0.24	<0.24	<0.48	<0.48	<24	12	76	88	120
TP4-20	9/28/2021	20	0.28	<0.24	8.5	26	34.78	850	3,900	2,000	6,750	170
TP5-2	9/29/2021	2	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	110	600	710	380
TP5-8	9/29/2021	8	<0.023	<0.046	<0.046	<0.093	<0.093	<4.6	120	600	720	450
TP5-16	9/29/2021	16	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.2	<46	<46	<60
TP5-20	9/29/2021	20	<0.023	<0.046	<0.046	<0.092	<0.092	<4.6	18	64	82	-
TP6-4	9/29/2021	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	570	1,600	2,170	930
TP6-8	9/29/2021	8	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<47	<47	1,100
TP6--12	9/29/2021	12	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.9	<50	<50	640
TP6-16	9/29/2021	16	<0.12	<0.25	<0.25	<0.50	<0.50	<25	<9.9	<49	<49	180
TP6-18	9/29/2021	18	<0.12	<0.24	<0.24	<0.48	<0.48	<24	<9.8	<49	<49	-
TP6-20	9/29/2021	20	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.6	<48	<48	-

**Table 1 - Area B**  
**Summary of Soil Analytical Data**  
**Gissler AV Battery**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	2,500 mg/kg	20,000 mg/kg
TP7-2	9/29/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	930
TP7-8	9/29/2021	8	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.9	<50	<50	1,200
TP7-12	9/29/2021	12	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.9	<49	<49	190
TP7-14	9/29/2021	14	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	-
TP8-2	9/29/2021	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	1,100
TP8-6	9/29/2021	6	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.8	<49	<49	1,300
TP8-10	9/29/2021	10	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.8	<49	<49	1,300
TP8-14	9/29/2021	14	<0.024	<0.047	<0.047	<0.096	<0.096	<4.8	<9.9	<49	<49	630
TP8-16	9/29/2021	16	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.2	<46	<46	-
TP9-2	9/29/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.4	<47	<47	1,800
TP9-6	9/29/2021	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.9	<50	<50	1,700
TP9-10	9/29/2021	10	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.3	<47	<47	120
TP9-12	9/29/2021	12	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<10	<50	<50	-
TP10-2	9/29/2021	2	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	2,400
TP10-6	9/29/2021	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.3	<47	<47	1,900
TP10-8	9/29/2021	8	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<49	<49	110
TP10-9	9/29/2021	9	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.1	<45	<45	-
TP11-S	9/29/2021	Surface	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	<9.3	<46	<46	<60
TP11-2	9/29/2021	2	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<48	<48	210
TP17-S	10/21/2021	Surface	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.3	<47	<47	<60
TP17-2	10/21/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.6	<48	<48	73
TP18-S	10/21/2021	Surface	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	14	100	114	<3.0
TP18-2	10/21/2021	2	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<10	<50	<50	<60
TP19-2	10/21/2021	2	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.9	<49	<49	560
TP19-4	10/21/2021	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.6	<48	<48	62

**Table 1 - Area B  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	2,500 mg/kg	20,000 mg/kg
TP20-S	10/21/2021	Surface	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.5	<48	<48	<60
TP20-2	10/21/2021	2	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.5	<47	<47	120
TP21-S	10/21/2021	Surface	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.4	75	75	<60
TP21-2	10/21/2021	2	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.3	<47	<47	77
TP22-2	10/21/2021	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.8	<49	<49	860
TP22-4	10/21/2021	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<49	<49	430
TP22-6	10/21/2021	6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.6	<48	<48	210
TP23-S	10/21/2021	Surface	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<48	<48	<60
TP23-2	10/21/2021	2	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	<9.7	<48	<48	<60
TP24-S	10/21/2021	Surface	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.4	<47	<47	<60
TP24-2	10/21/2021	2	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<10	<50	<50	260
TP25-S	10/21/2021	Surface	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.0	<45	<45	<60
TP25-2	10/21/2021	2	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	140
TP26-S	10/21/2021	Surface	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	<9.4	<47	<47	<60
TP26-2	10/21/2021	2	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.6	<48	<48	<60
Bottom Hole Confirmation Samples												
BH-24	5/12/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	200	110	310	410
BH-25	5/12/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	240	260	500	5,700
BH-26	5/12/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<49	<49	860
BH-27	5/12/2022	6	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	1,900
BH-28	5/12/2022	6	<0.12	<0.24	<0.24	<0.49	<0.49	<24	2,800	1,600	4,400	3,900
BH-28A	5/24/2022	6.5	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	200	320	520	1,900
BH-29	5/12/2022	6	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	240	380	620	3,100
BH-30	5/12/2022	5	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	21	<48	21	2,100
BH-31	5/12/2022	6	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	26	<48	26	1,800

**Table 1 - Area B  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	2,500 mg/kg	20,000 mg/kg
BH-32	5/12/2022	6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	1,400
BH-33	5/12/2022	5-6	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	98	110	210	3,000
BH-34	5/16/2022	20-21	<0.12	<0.25	<0.25	<0.50	<0.50	<25	690	400	1,100	380
BH-35	5/16/2022	18-20	<0.12	<0.24	<0.24	<0.48	<0.48	<24	480	550	1,000	520
BH-36	5/16/2022	16-18	<0.12	<0.25	<0.25	<0.50	<0.50	<25	650	740	1,400	300
BH-37	5/16/2022	16	<0.12	<0.25	<0.25	1.5	1.5	45	2,100	1,600	3,700	330
BH-37A	5/25/2022	16.5	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.5	<48	<48	370
BH-38	5/17/2022	4-6	<0.12	<0.25	<0.25	<0.49	<0.49	<25	580	580	1,160	1,100
BH-39	5/18/2022	4-6	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	140	240	380	610
BH-40	5/18/2022	4-6	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	210	430	640	790
BH-41	5/18/2022	4-6	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	360	1,100	1,460	790
BH-42	5/18/2022	4-6	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	59	130	189	670
BH-43	5/18/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.7	<48	<48	2,400
BH-44	5/18/2022	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	25	95	120	930
BH-45	5/18/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	810
BH-46	5/18/2022	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<9.6	<48	<48	1,200
BH-47	5/18/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<47	<47	240
BH-48	5/18/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	89	150	239	2,100
BH-49	5/18/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<48	<48	1,600
BH-50	5/18/2022	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.8	<49	<49	1,700
BH-51	5/18/2022	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	38	65	103	1,900
BH-52	5/18/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	40	84	124	1,900
BH-53	5/19/2022	4	<0.12	<0.24	<0.24	<0.48	<0.48	<24	280	280	560	1,200
BH-54	5/19/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	130	110	240	1,400
BH-55	5/19/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.5	<47	<47	780
BH-56	5/19/2022	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	28	52	80	470
BH-57	5/19/2022	4	<0.12	<0.23	<0.23	<0.46	<0.46	<23	80	91	171	950

**Table 1 - Area B  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	2,500 mg/kg	20,000 mg/kg
BH-58	5/19/2022	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	42	67	109	550
BH-59	5/19/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	53	80	133	820
BH-60	5/20/2022	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	220	170	390	280
BH-61	5/20/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.7	<48	<48	820
BH-62	5/20/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	15	<49	15	550
BH-63	5/20/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	85	80	165	1,900
BH-64	5/20/2022	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	16	<50	16	340
BH-65	5/20/2022	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	76	100	176	660
BH-66	5/20/2022	4	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	95	110	205	930
BH-67	5/20/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.4	<47	<47	470
BH-68	5/20/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	210	210	420	800
BH-69	5/20/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	340	200	540	510
BH-70	5/24/2022	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<8.9	<44	<44	300
BH-71	5/24/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	9.1	<45	9.1	1,700
BH-72	5/24/2022	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	43	<44	43	1,800
BH-73	5/24/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	28	<48	28	700
BH-74	5/24/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	64	57	121	720
BH-75	5/24/2022	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	130	130	260	990
BH-76	5/24/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	96	69	165	1,300
BH-77	5/24/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	100	120	220	710
BH-78	5/24/2022	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	380	320	700	1,600
BH-79	5/24/2022	4	<0.023	<0.047	<0.047	<0.093	<0.093	<4.7	120	140	260	1,500
BH-80	5/24/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	47	<48	47	1,200
BH-81	5/25/2022	4	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.7	<49	<49	920
BH-82	5/25/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.9	<49	<49	440
BH-83	5/25/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.8	<49	<49	630
BH-84	5/25/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.3	<46	<46	510

**Table 1 - Area B  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
								GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	2,500 mg/kg	20,000 mg/kg
BH-85	5/25/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<10	<50	<50	960
BH-86	5/25/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<46	<46	680
BH-87	5/25/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.3	<46	<46	1,200
BH-88	5/25/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	75
BH-89	6/6/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	56	80	136	980
BH-90	6/6/2022	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	32	56	88	970
BH-91	6/6/2022	4	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	36	65	101	1,100
BH-92	6/6/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	35	72	107	1,100
BH-93	6/6/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<14	<48	<48	590
BH-94	6/6/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<15	<50	<50	1,700
BH-95	6/6/2022	4	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	33	51	84	680
BH-96	6/6/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	17	<47	17	810
BH-97	6/6/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	92	130	222	1,400
BH-98	6/6/2022	4	<0.024	<0.047	<0.047	<0.094	<0.094	<4.7	37	72	109	970
BH-99	6/6/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<14	<47	<47	240
BH-100	6/6/2022	4	<0.024	<0.047	<0.047	<0.095	<0.095	<4.7	<14	<47	<47	150
BH-101	6/6/2022	4	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<14	<48	<48	550
BH-102	6/6/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<14	<47	<47	250
BH-103	6/6/2022	4	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<48	<48	360
BH-104	6/6/2022	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<14	<48	<48	770
BH-105	6/6/2022	4	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<15	<50	<50	1,600
BH-106	6/6/2022	4	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<15	<50	<50	1,100
BH-107	6/6/2022	4	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<50	<50	1,200
BH-108	6/6/2022	4	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	33	76	109	630
Sidewall Confirmation Samples												
SW-13	5/10/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	150	200	990	990
SW-14	5/10/2022	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	48	104	1,600	1,600

**Table 1 - Area B  
Summary of Soil Analytical Data  
Gissler AV Battery  
EOG Resources  
Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	2,500 mg/kg	20,000 mg/kg
SW-21	5/12/2022	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<9.7	<49	<49	78
SW-22	5/12/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.6	<48	<48	100
SW-23	5/12/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	<9.9	<50	<50	200
SW-24	5/12/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<9.7	<48	<48	110
SW-25	5/13/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.7	<49	<49	73
SW-26	5/13/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	110	280	400	110
SW-26A	6/6/2022	Sidewall	<0.024	<0.048	<0.048	<0.097	<0.097	<4.8	<15	<49	<49	170
SW-27	5/24/2022	Sidewall	<0.12	<0.24	<0.24	<0.49	<0.49	<24	1,500	770	2,200	610
SW-27A	5/25/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	87	100	187	86
SW-28	5/24/2022	Sidewall	<0.12	<0.25	<0.25	<0.50	<0.50	<25	140	170	310	1300
SW-29	5/24/2022	Sidewall	<0.12	<0.25	<0.25	<0.50	<0.50	<25	600	680	1,300	350
SW-30	5/24/2022	Sidewall	<0.12	<0.25	<0.25	<0.49	<0.49	<25	41	110	150	790
SW-31	5/24/2022	Sidewall	<0.12	<0.25	0.25	<0.50	0.25	<25	2,400	1,400	3,800	260
SW-31A	5/25/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	68	84	152	140
SW-32	5/24/2022	Sidewall	<0.12	<0.24	<0.24	<0.49	<0.49	<24	1,100	970	2,100	460
SW-32A	5/25/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	37	55	92	170
SW-33	5/19/2022	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.8	<49	<49	<60
SW-34	5/19/2022	Sidewall	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<9.7	<49	<49	190
SW-35	5/20/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	37	<47	37	190
SW-36	5/20/2022	Sidewall	<0.024	<0.048	<0.048	<0.096	<0.096	<4.8	<9.9	<50	<50	180
SW-37	5/20/2022	Sidewall	<0.025	<0.050	<0.050	<0.099	<0.099	<5.0	9.9	<48	9.9	200
SW-38	5/24/2022	Sidewall	<0.025	<0.050	<0.050	<0.10	<0.10	<5.0	<9.5	<47	<47	76
SW-39	5/24/2022	Sidewall	<0.025	<0.049	<0.049	<0.099	<0.099	<4.9	<9.4	<47	<47	<60
SW-40	5/24/2022	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	<9.5	<48	<48	75
SW-41	5/24/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	160	310	410	<61
SW-41A	6/6/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	110	310	420	68
SW-41B	6/20/2022	Sidewall	<0.021	<0.042	<0.042	<0.084	<0.084	<4.2	<13	<44	<44	180

**Table 1 - Area B**  
**Summary of Soil Analytical Data**  
**Gissler AV Battery**  
**EOG Resources**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Total Petroleum Hydrocarbons (TPH)				Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	MRO (C28-C35)	Total GRO/DRO/MRO	(mg/kg)
			Table I Closure Criteria for Soils >100 feet Depth to Groundwater 19.15.29 NMAC									
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	2,500 mg/kg	20,000 mg/kg
SW-42	5/24/2022	Sidewall	<0.024	<0.049	<0.049	<0.098	<0.098	<4.9	110	330	440	<60
SW-42A	6/6/2022	Sidewall	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<14	<46	<46	88
SW-43	6/6/2022	Sidewall	<0.025	<0.049	<0.049	<0.098	<0.098	<4.9	<15	<49	<49	160
SW-44	6/6/2022	Sidewall	<0.024	<0.048	<0.048	<0.095	<0.095	<4.8	16	52	68	110
SW-45	6/6/2022	Sidewall	<0.024	<0.049	<0.049	<0.097	<0.097	<4.9	<14	<48	<48	120

**Notes:**

1. Values reported in mg/kg

2. < = Value Less than Reporting Limit (RL)

3. Bold Indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B.

5. TPH analyses by EPA Method SW 8015 Mod.

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

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

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

B-BH-2 Sample Point Excavated





# **Attachment A**

## **Site Characterization Documentation**

# Gissler AV Battery

KARST Potential

## Legend

-  32.82313 -104.45703
-  High
-  Low
-  Medium

32.82313 -104.45703

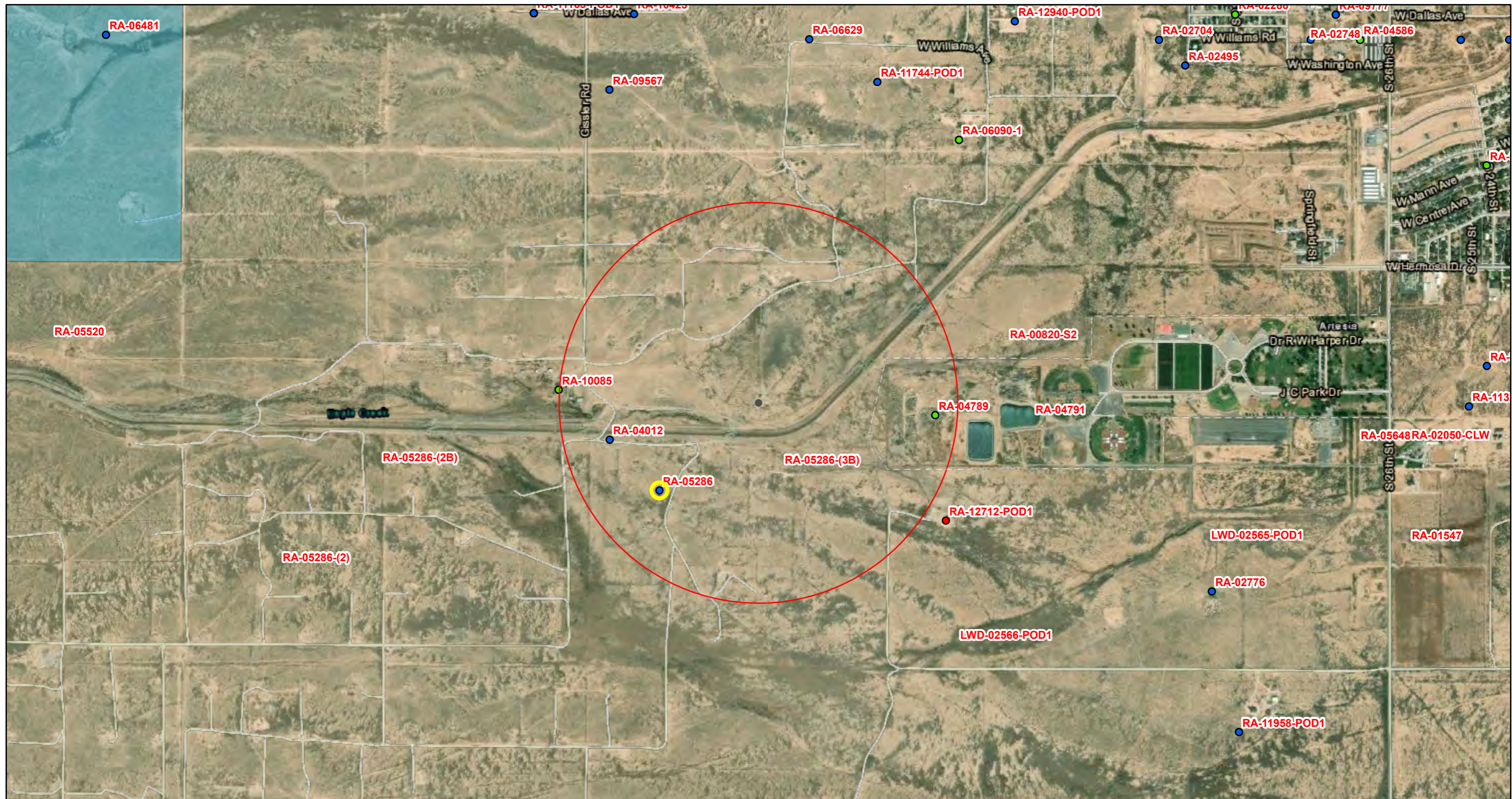


Gissler Rd



1000 ft


# Gissler AV Battery



11/10/2021, 4:01:39 PM

GIS WATERS PODs    ●    Plugged

## New Mexico State Trust Lands

 Both Estates

 SiteBoundaries

- Active

 OSE District Boundary

- Pending

1:18,056

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



# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

**Well Tag**    **POD Number**

RA 05286

**Q64 Q16 Q4 Sec TwS Rng**

2    1    3    23    17S    25E

**X****Y**

550426    3631456\*

x

**Driller License:** 406    **Driller Company:** TIDWELL, CLYDE J.**Driller Name:** TIDWELL, CLYDE J.**Drill Start Date:** 11/16/1970**Drill Finish Date:** 11/20/1970**Plug Date:****Log File Date:** 11/25/1970**PCW Rcv Date:****Source:** Shallow**Pump Type:****Pipe Discharge Size:****Estimated Yield:****Casing Size:** 7.00**Depth Well:** 285 feet**Depth Water:** 196 feet

x

**Water Bearing Stratifications:****Top Bottom Description**

237    284    Sandstone/Gravel/Conglomerate

x

**Meter Number:** 4243**Meter Make:** MCCROMETER**Meter Serial Number:** 16-01901**Meter Multiplier:** 10.0000**Number of Dials:** 6**Meter Type:** Diversion**Unit of Measure:** Gallons**Return Flow Percent:****Usage Multiplier:****Reading Frequency:** Quarterly

x

**Meter Readings (in Acre-Feet)**

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
01/12/1999	1999	12	A	RPT		0
04/07/1999	1999	12	A	RPT		0.006
07/07/1999	1999	12	A	RPT		0.084
10/26/1999	1999	12	A	RPT		0.130
01/06/2000	1999	12	A	RPT		0.212
07/04/2000	2000	13	A	RPT		0.694
01/19/2001	2000	14	A	RPT		0.838

07/09/2001	2001	14	A	RPT	0.630
01/17/2002	2001	14	A	RPT	0
04/02/2002	2002	14	A	RPT	0
04/30/2003	2003	16	A	tw	1.700
07/31/2003	2003	16	A	tw	0.227
10/30/2003	2003	17	A	tw	0.329
12/31/2003	2003	17	A	RPT	0.676
03/01/2004	2004	18	A	sj	0.324
06/01/2004	2004	18	A	sj	0.272
09/01/2004	2004	18	A	sj	0.201
04/13/2005	2005	19	A	RPT	0.619
10/06/2005	2005	20	A	RPT	1.094
12/31/2005	2005	20	A	ch	0.292
04/07/2006	2006	20	A	ch	0.278
12/31/2007	2007	24	A	RPT	4.155
12/31/2008	2008	1	R	RPT Meter Rollover	76.223
03/31/2009	2009	1	A	RPT	0.182
12/31/2009	2009	2	A	RPT	0.913
06/30/2010	2010	2	A	RPT	0.704
09/30/2016	2016	9465	A	RPT not in service per D. Fedricks	0
12/31/2018	2018	13896	A	ap	0.136
03/31/2019	2019	13896	A	ap	0
03/31/2020	2020	13896	A	ap	0
09/30/2020	2020	13896	A	RPT	0
12/31/2020	2021	13896	A	WEB	0 X
03/31/2021	2021	13896	A	WEB	0 X

x

**YTD Meter Amounts:	Year	Amount
	1999	0.432
	2000	1.532
	2001	0.630
	2002	0
	2003	2.932
	2004	0.797
	2005	2.005

2006	0.278
2007	4.155
2008	76.223
2009	1.095
2010	0.704
2012	0
2013	0
2016	0
2018	0.136
2019	0
2020	0
2021	0

---

x

**\*UTM location was derived from PLSS - see Help**

---

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

---

11/10/21 2:56 PM


POINT OF DIVERSION SUMMARY


# Gissler AV Battery


Significant Watercourse Map

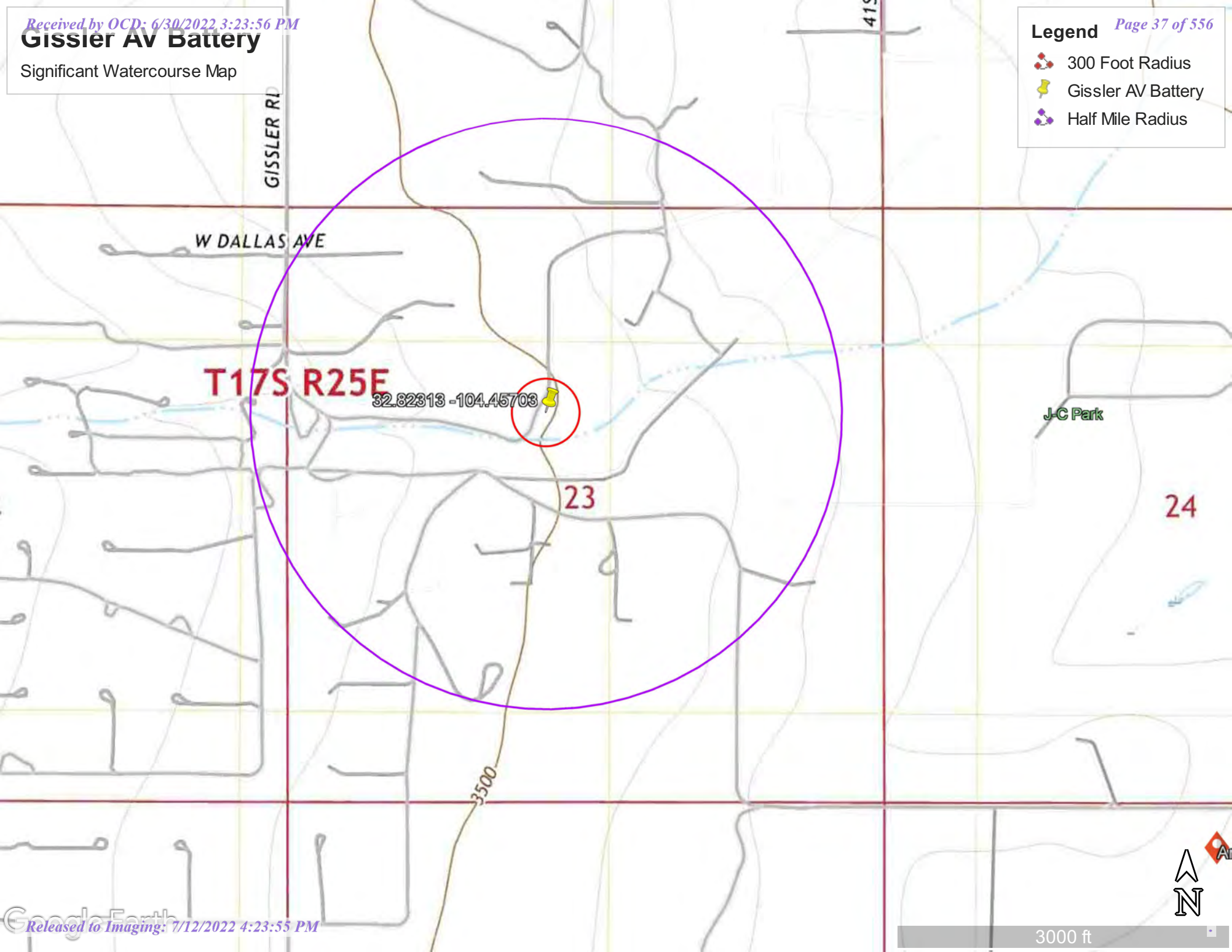
Legend

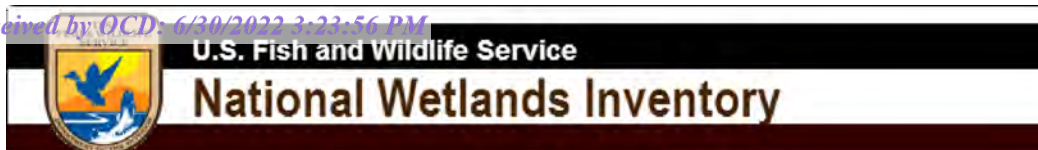
Page 37 of 556

 300 Foot Radius

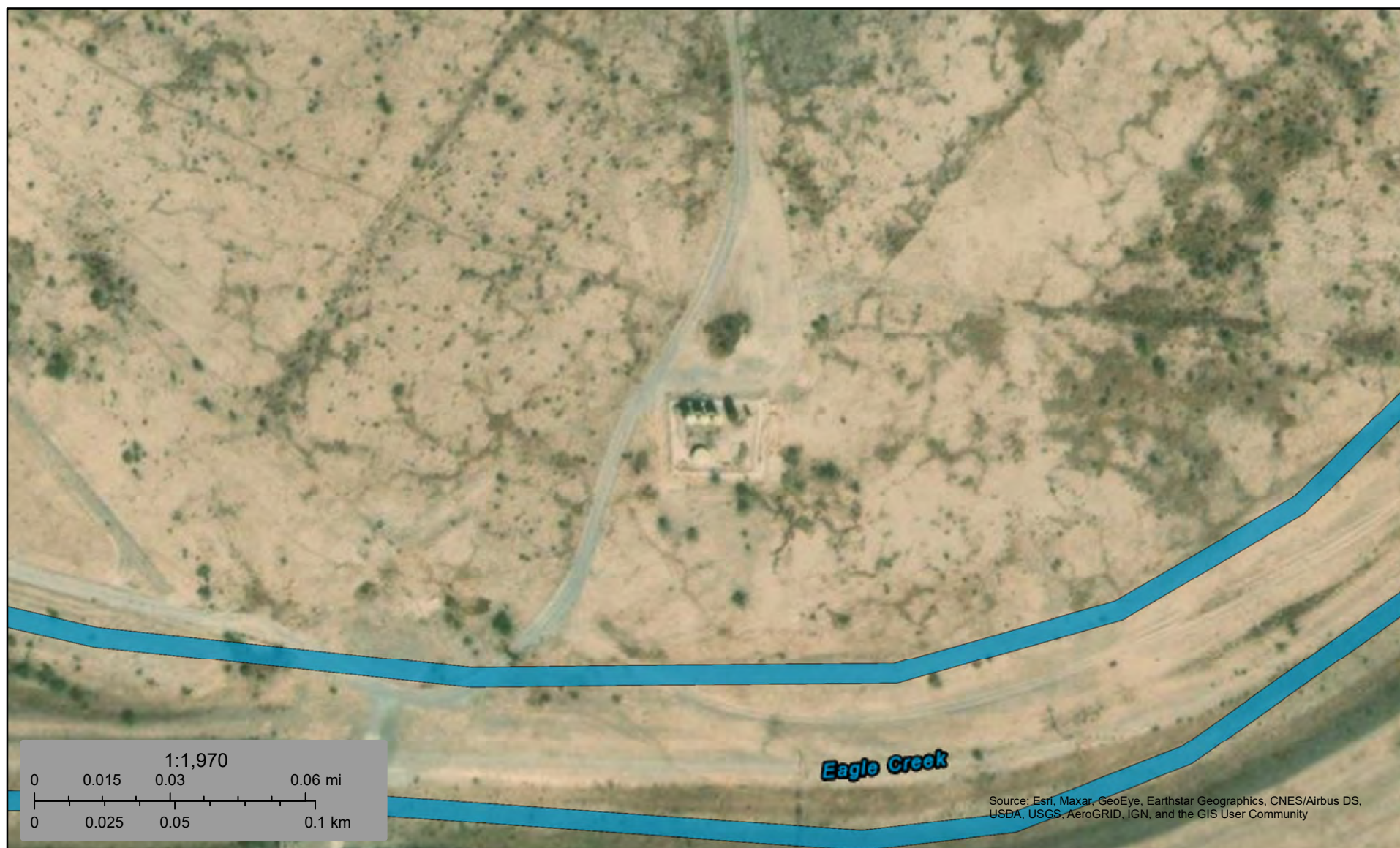
 Gissler AV Battery

 Half Mile Radius





## Gissler AV Battery



November 10, 2021

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

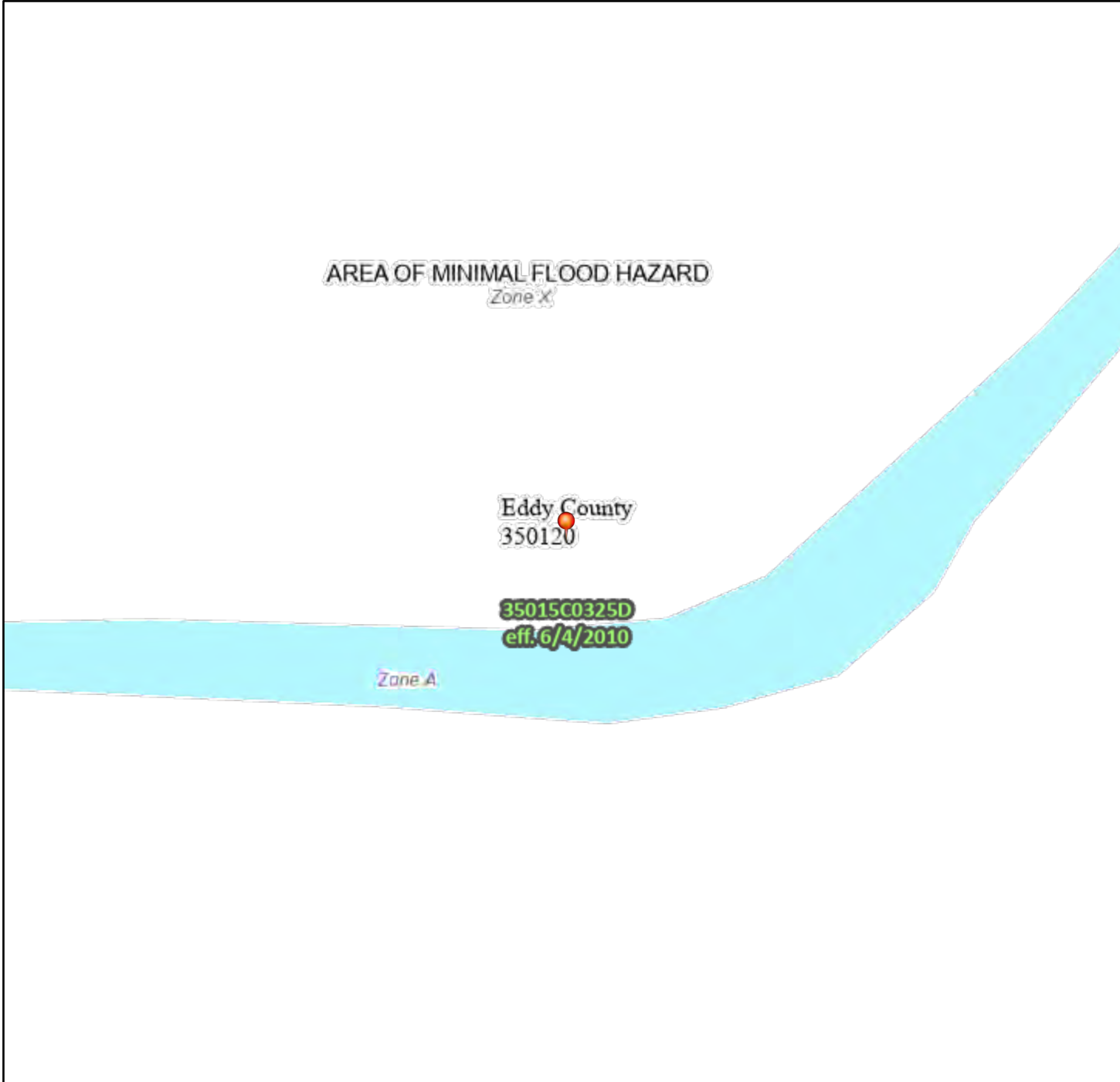
- Lake
- Other
- Riverine

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

# National Flood Hazard Layer FIRMMette



104°27'44"W 32°49'38"N



0 250 500 1,000 1,500 2,000 Feet 1:6,000 104°27'7"W 32°49'8"N

## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		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 Water Surface Elevation
		17.5 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 11/10/2021 at 4:13 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 SB-1 Soil Boring Log**



# STRATIGRAPHIC AND INSTRUMENTATION LOG (OVERBURDEN)

Page 1 of 1

PROJECT NAME: Gissler AV Battery

HOLE DESIGNATION: SB-1

PROJECT NUMBER: 12563391

DATE COMPLETED: January 5, 2022

CLIENT: EOG Resources

DRILLING METHOD: Split Spoons/Air Rotary

LOCATION: Artesia, New Mexico

FIELD PERSONNEL: Z. Comino

DRILLING CONTRACTOR: White Drilling Company, Inc.

DRILLER: B. Adkins

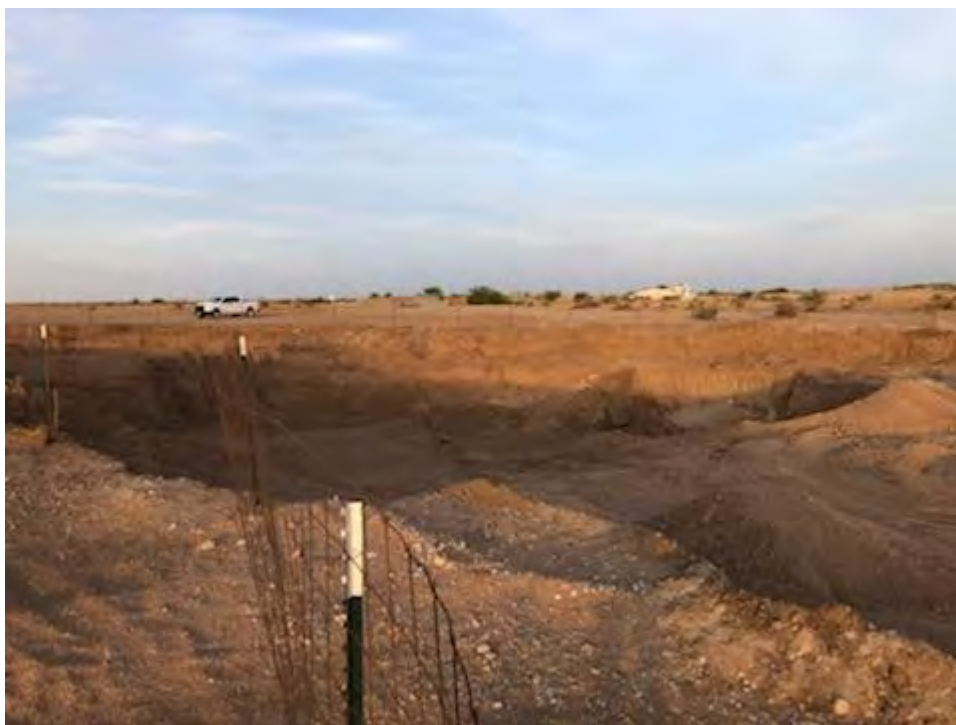
File: I:\LOG DATABASE\8-CHAR\1256-12563391 GISSLER\12563391-CO.GPJ Library File: GHD\_ENVIRO\_V06.GLB Report: OVERBURDEN LOG Date: 2/18/22

DEPTH ft BGS	STRATIGRAPHIC DESCRIPTION & REMARKS	DEPTH BGS	SOIL BORING	SAMPLE				
				NUMBER	INTERVAL	REC (ft)	CHLORIDE (mg/kg)	TOTAL TPH (mg/kg)
10	SM-SILTY SAND, well sorted, fine to medium grained, brown to dark brown, damp, no odor			5'			1400	2800
				10'			2100	<49
20	SM-SILTY SAND, with 75% 0.5 - 2 cm limestone gravel, fine to medium grained sand, brown, dry, slight odor	15.00		15'			2600	<49
	- 25% gravel from 20.00 to 25.00ft BGS			20'			1200	105
30	SM-SILTY SAND, with 10% <0.5 cm limestone gravel, brown, damp, slight odor	25.00		25'			4000	13
				30'			2600	<48
40	SC-CLAYEY SILTY SAND, trace <0.5 cm gravel, fine grained sand, brown, moist, no odor	40.00		35'			5100	<49
	- tan to light brown at 45.00ft BGS			40'			5100	<48
50	SM-SILTY SAND, >75% - 2 cm limestone gravel, fine to medium grained sand, tan to white, dry, slight odor	50.00		45'			7700	<47
60	- 50% gravel from 60.00 to 80.00ft BGS			50'			5100	156
70				60'			3100	<49
80	SC-CLAYEY SILTY SAND, well sorted, fine grained, brown, damp	80.00		70'			2300	<50
90				80'			990	<46
100	SM-SILTY SAND, trace <0.5 cm gravel, fine to medium grained sand, brown, dry to damp	90.00		90'			5100	<47
110	SM-SILTY SAND, <0.5 cm gravel, brown, wet	100.00		100'			1600	<47
120				110'			1000	<46
130	SM-SILTY SAND, trace <0.5 cm gravel, fine to medium grained, brown, damp	125.00		120'			530	35
	- light brown, no odor at 135.00ft BGS			125'			840	16
	END OF BOREHOLE @ 137.00ft BGS	137.00		130'			170	<47
				135'			65	<48

 Backfilled with  
Cement Grout

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE  
 WATER FOUND ∇ 1/5/2022  
 CHEMICAL ANALYSIS ○

## **Attachment C Photographic Log**



## Site Photographs

### EOG Gissler AV Battery Release Site.

GHD | Report for EOG | 12563440



## Site Photographs

### EOG Gissler AV Battery Release Site.

GHD | Report for EOG | 12563440



## Site Photographs

### EOG Gissler AV Battery Release Site.

GHD | Report for EOG | 12563440



## Site Photographs

### EOG Gissler AV Battery Release Site.

GHD | Report for EOG | 12563440



## Site Photographs

### EOG Gissler AV Battery Release Site.

GHD | Report for EOG | 12563440



## Site Photographs

### EOG Gissler AV Battery Release Site.

GHD | Report for EOG | 12563440

## **Appendix D**

# **Laboratory Analytical Reports and Chain-of-Custody Documentation**



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

October 14, 2021

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

RE: Gissler AV Tank Battery

OrderNo.: 2109H23

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 15 sample(s) on 9/30/2021 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP1-S

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 12:30:00 PM

Lab ID: 2109H23-001

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	10/5/2021 6:09:08 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	44	19		mg/Kg	2	10/8/2021 2:07:35 AM	63003
Motor Oil Range Organics (MRO)	200	94		mg/Kg	2	10/8/2021 2:07:35 AM	63003
Surr: DNOP	115	70-130		%Rec	2	10/8/2021 2:07:35 AM	63003
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2021 5:29:00 AM	62981
Surr: BFB	106	70-130		%Rec	1	10/5/2021 5:29:00 AM	62981
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/5/2021 5:29:00 AM	62981
Toluene	ND	0.049		mg/Kg	1	10/5/2021 5:29:00 AM	62981
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2021 5:29:00 AM	62981
Xylenes, Total	ND	0.097		mg/Kg	1	10/5/2021 5:29:00 AM	62981
Surr: 4-Bromofluorobenzene	96.8	70-130		%Rec	1	10/5/2021 5:29:00 AM	62981

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

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

Page 1 of 22

## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP1-2

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 12:40:00 PM

Lab ID: 2109H23-002

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	10/5/2021 6:21:34 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/5/2021 6:23:48 PM	63003
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2021 6:23:48 PM	63003
Surr: DNOP	53.3	70-130	S	%Rec	1	10/5/2021 6:23:48 PM	63003
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2021 5:48:00 AM	62981
Surr: BFB	110	70-130		%Rec	1	10/5/2021 5:48:00 AM	62981
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/5/2021 5:48:00 AM	62981
Toluene	ND	0.049		mg/Kg	1	10/5/2021 5:48:00 AM	62981
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2021 5:48:00 AM	62981
Xylenes, Total	ND	0.098		mg/Kg	1	10/5/2021 5:48:00 AM	62981
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	10/5/2021 5:48:00 AM	62981

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

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

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## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-S

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 12:50:00 PM

Lab ID: 2109H23-003

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	10/5/2021 6:33:58 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	580	47		mg/Kg	5	10/8/2021 1:20:10 AM	63003
Motor Oil Range Organics (MRO)	1900	240		mg/Kg	5	10/8/2021 1:20:10 AM	63003
Surr: DNOP	122	70-130		%Rec	5	10/8/2021 1:20:10 AM	63003
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/5/2021 6:08:00 AM	62981
Surr: BFB	110	70-130		%Rec	5	10/5/2021 6:08:00 AM	62981
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.12		mg/Kg	5	10/5/2021 6:08:00 AM	62981
Toluene	ND	0.25		mg/Kg	5	10/5/2021 6:08:00 AM	62981
Ethylbenzene	ND	0.25		mg/Kg	5	10/5/2021 6:08:00 AM	62981
Xylenes, Total	ND	0.49		mg/Kg	5	10/5/2021 6:08:00 AM	62981
Surr: 4-Bromofluorobenzene	92.2	70-130		%Rec	5	10/5/2021 6:08:00 AM	62981

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

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

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## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-2

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 1:00:00 PM

Lab ID: 2109H23-004

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	10/5/2021 6:46:22 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	290	49		mg/Kg	5	10/8/2021 12:32:39 AM	63003
Motor Oil Range Organics (MRO)	1200	250		mg/Kg	5	10/8/2021 12:32:39 AM	63003
Surr: DNOP	113	70-130		%Rec	5	10/8/2021 12:32:39 AM	63003
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/5/2021 6:28:00 AM	62981
Surr: BFB	103	70-130		%Rec	1	10/5/2021 6:28:00 AM	62981
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/5/2021 6:28:00 AM	62981
Toluene	ND	0.048		mg/Kg	1	10/5/2021 6:28:00 AM	62981
Ethylbenzene	ND	0.048		mg/Kg	1	10/5/2021 6:28:00 AM	62981
Xylenes, Total	ND	0.096		mg/Kg	1	10/5/2021 6:28:00 AM	62981
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	10/5/2021 6:28:00 AM	62981

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

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

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## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP2-4

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 1:10:00 PM

Lab ID: 2109H23-005

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	59		mg/Kg	20	10/5/2021 6:58:47 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/7/2021 4:13:28 PM	62999
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/7/2021 4:13:28 PM	62999
Surr: DNOP	138	70-130	S	%Rec	1	10/7/2021 4:13:28 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/5/2021 3:29:02 PM	62982
Surr: BFB	96.8	70-130		%Rec	1	10/5/2021 3:29:02 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.025		mg/Kg	1	10/5/2021 3:29:02 PM	62982
Toluene	ND	0.049		mg/Kg	1	10/5/2021 3:29:02 PM	62982
Ethylbenzene	ND	0.049		mg/Kg	1	10/5/2021 3:29:02 PM	62982
Xylenes, Total	ND	0.098		mg/Kg	1	10/5/2021 3:29:02 PM	62982
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	10/5/2021 3:29:02 PM	62982

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

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

Page 5 of 22

## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP3-4

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 1:20:00 PM

Lab ID: 2109H23-006

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2400	150		mg/Kg	50	10/8/2021 8:20:24 AM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	1100	97		mg/Kg	10	10/8/2021 11:56:53 AM	62999
Motor Oil Range Organics (MRO)	2300	490		mg/Kg	10	10/8/2021 11:56:53 AM	62999
Surr: DNOP	0	70-130	S	%Rec	10	10/8/2021 11:56:53 AM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/5/2021 4:39:33 PM	62982
Surr: BFB	94.3	70-130		%Rec	5	10/5/2021 4:39:33 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	10/5/2021 4:39:33 PM	62982
Toluene	ND	0.24		mg/Kg	5	10/5/2021 4:39:33 PM	62982
Ethylbenzene	ND	0.24		mg/Kg	5	10/5/2021 4:39:33 PM	62982
Xylenes, Total	ND	0.49		mg/Kg	5	10/5/2021 4:39:33 PM	62982
Surr: 4-Bromofluorobenzene	84.3	70-130		%Rec	5	10/5/2021 4:39:33 PM	62982

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

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

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## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP3-8

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 1:30:00 PM

Lab ID: 2109H23-007

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	3000	150		mg/Kg	50	10/8/2021 8:32:49 AM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	11000	470		mg/Kg	50	10/7/2021 5:48:35 PM	62999
Motor Oil Range Organics (MRO)	7700	2300		mg/Kg	50	10/7/2021 5:48:35 PM	62999
Surr: DNOP	0	70-130	S	%Rec	50	10/7/2021 5:48:35 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	70	24		mg/Kg	5	10/5/2021 5:49:49 PM	62982
Surr: BFB	130	70-130	S	%Rec	5	10/5/2021 5:49:49 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	10/5/2021 5:49:49 PM	62982
Toluene	ND	0.24		mg/Kg	5	10/5/2021 5:49:49 PM	62982
Ethylbenzene	ND	0.24		mg/Kg	5	10/5/2021 5:49:49 PM	62982
Xylenes, Total	ND	0.48		mg/Kg	5	10/5/2021 5:49:49 PM	62982
Surr: 4-Bromofluorobenzene	85.9	70-130		%Rec	5	10/5/2021 5:49:49 PM	62982

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

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

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## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP3-12

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 1:35:00 PM

Lab ID: 2109H23-008

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2500	150		mg/Kg	50	10/8/2021 8:45:14 AM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	1900	470		mg/Kg	50	10/7/2021 6:12:26 PM	62999
Motor Oil Range Organics (MRO)	3100	2400		mg/Kg	50	10/7/2021 6:12:26 PM	62999
Surr: DNOP	0	70-130	S	%Rec	50	10/7/2021 6:12:26 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/5/2021 6:13:14 PM	62982
Surr: BFB	94.0	70-130		%Rec	5	10/5/2021 6:13:14 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	10/5/2021 6:13:14 PM	62982
Toluene	ND	0.24		mg/Kg	5	10/5/2021 6:13:14 PM	62982
Ethylbenzene	ND	0.24		mg/Kg	5	10/5/2021 6:13:14 PM	62982
Xylenes, Total	ND	0.49		mg/Kg	5	10/5/2021 6:13:14 PM	62982
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	5	10/5/2021 6:13:14 PM	62982

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

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

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## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP3-16

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 1:40:00 PM

Lab ID: 2109H23-009

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	330	60		mg/Kg	20	10/5/2021 7:48:25 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/7/2021 6:36:16 PM	62999
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/7/2021 6:36:16 PM	62999
Surr: DNOP	115	70-130		%Rec	1	10/7/2021 6:36:16 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/5/2021 6:36:47 PM	62982
Surr: BFB	94.4	70-130		%Rec	5	10/5/2021 6:36:47 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	10/5/2021 6:36:47 PM	62982
Toluene	ND	0.25		mg/Kg	5	10/5/2021 6:36:47 PM	62982
Ethylbenzene	ND	0.25		mg/Kg	5	10/5/2021 6:36:47 PM	62982
Xylenes, Total	ND	0.50		mg/Kg	5	10/5/2021 6:36:47 PM	62982
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	5	10/5/2021 6:36:47 PM	62982

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

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

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## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP3-20

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 1:50:00 PM

Lab ID: 2109H23-010

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	360	60		mg/Kg	20	10/5/2021 8:25:40 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/7/2021 7:00:05 PM	62999
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/7/2021 7:00:05 PM	62999
Surr: DNOP	118	70-130		%Rec	1	10/7/2021 7:00:05 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/5/2021 7:00:15 PM	62982
Surr: BFB	96.4	70-130		%Rec	5	10/5/2021 7:00:15 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	10/5/2021 7:00:15 PM	62982
Toluene	ND	0.24		mg/Kg	5	10/5/2021 7:00:15 PM	62982
Ethylbenzene	ND	0.24		mg/Kg	5	10/5/2021 7:00:15 PM	62982
Xylenes, Total	ND	0.47		mg/Kg	5	10/5/2021 7:00:15 PM	62982
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	5	10/5/2021 7:00:15 PM	62982

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

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

## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP4-2

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 2:10:00 PM

Lab ID: 2109H23-011

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	84	61		mg/Kg	20	10/5/2021 8:38:05 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	2000	490		mg/Kg	50	10/7/2021 7:23:54 PM	62999
Motor Oil Range Organics (MRO)	7000	2500		mg/Kg	50	10/7/2021 7:23:54 PM	62999
Surr: DNOP	0	70-130	S	%Rec	50	10/7/2021 7:23:54 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/5/2021 8:34:15 PM	62982
Surr: BFB	93.5	70-130		%Rec	5	10/5/2021 8:34:15 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	10/5/2021 8:34:15 PM	62982
Toluene	ND	0.24		mg/Kg	5	10/5/2021 8:34:15 PM	62982
Ethylbenzene	ND	0.24		mg/Kg	5	10/5/2021 8:34:15 PM	62982
Xylenes, Total	ND	0.49		mg/Kg	5	10/5/2021 8:34:15 PM	62982
Surr: 4-Bromofluorobenzene	84.2	70-130		%Rec	5	10/5/2021 8:34:15 PM	62982

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

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

## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP4-4

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 2:20:00 PM

Lab ID: 2109H23-012

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	89	60		mg/Kg	20	10/5/2021 8:50:30 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	290	99		mg/Kg	10	10/8/2021 2:52:33 PM	62999
Motor Oil Range Organics (MRO)	1600	490		mg/Kg	10	10/8/2021 2:52:33 PM	62999
Surr: DNOP	0	70-130	S	%Rec	10	10/8/2021 2:52:33 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/5/2021 8:57:55 PM	62982
Surr: BFB	92.5	70-130		%Rec	5	10/5/2021 8:57:55 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	10/5/2021 8:57:55 PM	62982
Toluene	ND	0.25		mg/Kg	5	10/5/2021 8:57:55 PM	62982
Ethylbenzene	ND	0.25		mg/Kg	5	10/5/2021 8:57:55 PM	62982
Xylenes, Total	ND	0.50		mg/Kg	5	10/5/2021 8:57:55 PM	62982
Surr: 4-Bromofluorobenzene	82.1	70-130		%Rec	5	10/5/2021 8:57:55 PM	62982

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

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

## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP4-8

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 2:35:00 PM

Lab ID: 2109H23-013

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	85	60		mg/Kg	20	10/5/2021 9:02:55 PM	63037
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	310	96		mg/Kg	10	10/8/2021 12:22:16 PM	62999
Motor Oil Range Organics (MRO)	1400	480		mg/Kg	10	10/8/2021 12:22:16 PM	62999
Surr: DNOP	0	70-130	S	%Rec	10	10/8/2021 12:22:16 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/5/2021 9:21:36 PM	62982
Surr: BFB	90.8	70-130		%Rec	5	10/5/2021 9:21:36 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>RAA</b>
Benzene	ND	0.12		mg/Kg	5	10/5/2021 9:21:36 PM	62982
Toluene	ND	0.25		mg/Kg	5	10/5/2021 9:21:36 PM	62982
Ethylbenzene	ND	0.25		mg/Kg	5	10/5/2021 9:21:36 PM	62982
Xylenes, Total	ND	0.49		mg/Kg	5	10/5/2021 9:21:36 PM	62982
Surr: 4-Bromofluorobenzene	80.6	70-130		%Rec	5	10/5/2021 9:21:36 PM	62982

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

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

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## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP4-14

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 2:40:00 PM

Lab ID: 2109H23-014

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	120	60		mg/Kg	20	10/5/2021 11:57:58 PM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	12	9.9		mg/Kg	1	10/8/2021 1:36:58 PM	62999
Motor Oil Range Organics (MRO)	76	50		mg/Kg	1	10/8/2021 1:36:58 PM	62999
Surr: DNOP	113	70-130		%Rec	1	10/8/2021 1:36:58 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/5/2021 9:45:13 PM	62982
Surr: BFB	94.5	70-130		%Rec	5	10/5/2021 9:45:13 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	ND	0.12		mg/Kg	5	10/5/2021 9:45:13 PM	62982
Toluene	ND	0.24		mg/Kg	5	10/5/2021 9:45:13 PM	62982
Ethylbenzene	ND	0.24		mg/Kg	5	10/5/2021 9:45:13 PM	62982
Xylenes, Total	ND	0.48		mg/Kg	5	10/5/2021 9:45:13 PM	62982
Surr: 4-Bromofluorobenzene	83.9	70-130		%Rec	5	10/5/2021 9:45:13 PM	62982

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

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

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## Analytical Report

Lab Order 2109H23

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP4-20

Project: Gissler AV Tank Battery

Collection Date: 9/28/2021 2:50:00 PM

Lab ID: 2109H23-015

Matrix: SOIL

Received Date: 9/30/2021 7:40:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	170	60		mg/Kg	20	10/6/2021 12:35:11 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	3900	190		mg/Kg	20	10/7/2021 8:59:02 PM	62999
Motor Oil Range Organics (MRO)	2000	950		mg/Kg	20	10/7/2021 8:59:02 PM	62999
Surr: DNOP	0	70-130	S	%Rec	20	10/7/2021 8:59:02 PM	62999
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	850	24		mg/Kg	5	10/5/2021 10:08:39 PM	62982
Surr: BFB	584	70-130	S	%Rec	5	10/5/2021 10:08:39 PM	62982
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: RAA
Benzene	0.28	0.12		mg/Kg	5	10/5/2021 10:08:39 PM	62982
Toluene	ND	0.24		mg/Kg	5	10/5/2021 10:08:39 PM	62982
Ethylbenzene	8.5	0.24		mg/Kg	5	10/5/2021 10:08:39 PM	62982
Xylenes, Total	26	0.48		mg/Kg	5	10/5/2021 10:08:39 PM	62982
Surr: 4-Bromofluorobenzene	210	70-130	S	%Rec	5	10/5/2021 10:08:39 PM	62982

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

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

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

WO#: 2109H23

14-Oct-21

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-63037</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63037</b>	RunNo: <b>81812</b>								
Prep Date: <b>10/5/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2893662</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63037</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63037</b>	RunNo: <b>81812</b>								
Prep Date: <b>10/5/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2893663</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.5	90	110			

Sample ID: <b>MB-63042</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63042</b>	RunNo: <b>81813</b>								
Prep Date: <b>10/5/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894205</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63042</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63042</b>	RunNo: <b>81813</b>								
Prep Date: <b>10/5/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894206</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

**Qualifiers:**

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

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

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

WO#: 2109H23

14-Oct-21

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-63003</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63003</b>	RunNo: <b>81801</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894853</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.9	70	130			

Sample ID: <b>LCS-63003</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63003</b>	RunNo: <b>81801</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894854</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	68.9	135			
Surr: DNOP	4.0		5.000		79.4	70	130			

Sample ID: <b>MB-62999</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62999</b>	RunNo: <b>81862</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2897828</b> Units: <b>mg/Kg</b>								
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		129	70	130			

Sample ID: <b>LCS-62999</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62999</b>	RunNo: <b>81862</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2897829</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	57	10	50.00	0	114	68.9	135			
Surr: DNOP	6.7		5.000		134	70	130			S

Sample ID: <b>2109H23-005AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>TP2-4</b>	Batch ID: <b>62999</b>	RunNo: <b>81862</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2897831</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.8	49.21	0	99.5	39.3	155			
Surr: DNOP	5.9		4.921		120	70	130			

**Qualifiers:**

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

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

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QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109H23  
14-Oct-21

Client: GHD Midland  
Project: Gissler AV Tank Battery

Sample ID: 2109H23-005AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics						
Client ID: TP2-4		Batch ID: 62999		RunNo: 81862						
Prep Date: 10/4/2021		Analysis Date: 10/7/2021		SeqNo: 2897832		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	10	49.75	0	112	39.3	155	12.7	23.4	
Surr: DNOP	6.8		4.975		136	70	130	0	0	S

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2109H23

14-Oct-21

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-62981</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62981</b>	RunNo: <b>81772</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/4/2021</b>	SeqNo: <b>2891809</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.1	70	130			

Sample ID: <b>lcs-62981</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62981</b>	RunNo: <b>81772</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/4/2021</b>	SeqNo: <b>2891811</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	114	78.6	131			
Surr: BFB	1200		1000		121	70	130			

Sample ID: <b>2109H23-005AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>TP2-4</b>	Batch ID: <b>62982</b>	RunNo: <b>81821</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894407</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	23.85	0	94.3	61.3	114			
Surr: BFB	1000		954.2		107	70	130			

Sample ID: <b>2109H23-005AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>TP2-4</b>	Batch ID: <b>62982</b>	RunNo: <b>81821</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894408</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.51	0	88.1	61.3	114	4.09	20	
Surr: BFB	990		980.4		101	70	130	0	0	

Sample ID: <b>lcs-62982</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62982</b>	RunNo: <b>81821</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894442</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1000		1000		104	70	130			

Sample ID: <b>mb-62982</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62982</b>	RunNo: <b>81821</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894443</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2109H23  
14-Oct-21

Client: GHD Midland  
Project: Gissler AV Tank Battery

Sample ID: mb-62982	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 62982	RunNo: 81821								
Prep Date: 10/1/2021	Analysis Date: 10/5/2021	SeqNo: 2894443	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.2	70	130			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2109H23

14-Oct-21

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-62981</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>62981</b>	RunNo: <b>81772</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/4/2021</b>	SeqNo: <b>2891855</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		88.3	70	130			

Sample ID: <b>lcs-62981</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>62981</b>	RunNo: <b>81772</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/4/2021</b>	SeqNo: <b>2891857</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	102	80	120			
Toluene	0.98	0.050	1.000	0	98.3	80	120			
Ethylbenzene	1.0	0.050	1.000	0	100	80	120			
Xylenes, Total	3.1	0.10	3.000	0	103	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.8	70	130			

Sample ID: <b>2109H23-006AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>TP3-4</b>	Batch ID: <b>62982</b>	RunNo: <b>81821</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894510</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.12	0.9662	0	82.1	80	120			
Toluene	0.82	0.24	0.9662	0	84.8	80	120			
Ethylbenzene	0.81	0.24	0.9662	0	83.6	80	120			
Xylenes, Total	2.4	0.48	2.899	0	81.9	80	120			
Surr: 4-Bromofluorobenzene	4.1		4.831		85.0	70	130			

Sample ID: <b>2109H23-006AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>TP3-4</b>	Batch ID: <b>62982</b>	RunNo: <b>81821</b>								
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894511</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.73	0.12	0.9470	0	77.4	80	120	7.84	20	S
Toluene	0.76	0.24	0.9470	0	80.4	80	120	7.40	20	
Ethylbenzene	0.75	0.24	0.9470	0	78.7	80	120	7.98	20	S
Xylenes, Total	2.2	0.47	2.841	0	77.5	80	120	7.53	20	S
Surr: 4-Bromofluorobenzene	3.9		4.735		82.9	70	130	0	0	

**Qualifiers:**

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

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

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

WO#: 2109H23

14-Oct-21

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>LCS-62982</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>62982</b>			RunNo: <b>81821</b>						
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/5/2021</b>			SeqNo: <b>2894544</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.99	0.025	1.000	0	98.8	80	120			
Toluene	1.0	0.050	1.000	0	100	80	120			
Ethylbenzene	1.0	0.050	1.000	0	99.9	80	120			
Xylenes, Total	2.9	0.10	3.000	0	98.3	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		86.6	70	130			

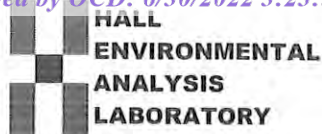
Sample ID: <b>mb-62982</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>62982</b>			RunNo: <b>81821</b>						
Prep Date: <b>10/1/2021</b>	Analysis Date: <b>10/5/2021</b>			SeqNo: <b>2894545</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	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	0.86		1.000		86.2	70	130			

**Qualifiers:**

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

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

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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2109H23

RcptNo: 1

Received By: Cheyenne Cason

9/30/2021 7:40:00 AM

Completed By: Isaiah Ortiz

9/30/2021 8:50:18 AM

Reviewed By:

JN 9/30/21

*Chad*  
*I-OK*

Chain of Custody

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

Log In

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

# of preserved  
bottles checked  
for pH:  
( $<2$  or  $>12$  unless noted)

Adjusted?

Checked by:

*KPA 9/30/21*

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good	Not Present			







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

October 14, 2021

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

RE: Gissler AV Tank Battery

OrderNo.: 2110009

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 29 sample(s) on 10/1/2021 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP5-2

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 7:25:00 AM

Lab ID: 2110009-001

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	380	60		mg/Kg	20	10/6/2021 12:47:36 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	110	49		mg/Kg	5	10/8/2021 8:51:52 AM	63019
Motor Oil Range Organics (MRO)	600	250		mg/Kg	5	10/8/2021 8:51:52 AM	63019
Surr: DNOP	101	70-130		%Rec	5	10/8/2021 8:51:52 AM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/6/2021 5:48:00 PM	63017
Surr: BFB	101	70-130		%Rec	1	10/6/2021 5:48:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/6/2021 5:48:00 PM	63017
Toluene	ND	0.048		mg/Kg	1	10/6/2021 5:48:00 PM	63017
Ethylbenzene	ND	0.048		mg/Kg	1	10/6/2021 5:48:00 PM	63017
Xylenes, Total	ND	0.095		mg/Kg	1	10/6/2021 5:48:00 PM	63017
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	10/6/2021 5:48:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP5-8

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 7:40:00 AM

Lab ID: 2110009-002

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	450	60		mg/Kg	20	10/6/2021 1:00:01 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	120	47		mg/Kg	5	10/8/2021 8:27:21 AM	63019
Motor Oil Range Organics (MRO)	600	230		mg/Kg	5	10/8/2021 8:27:21 AM	63019
Surr: DNOP	90.8	70-130		%Rec	5	10/8/2021 8:27:21 AM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/6/2021 6:47:00 PM	63017
Surr: BFB	106	70-130		%Rec	1	10/6/2021 6:47:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/6/2021 6:47:00 PM	63017
Toluene	ND	0.046		mg/Kg	1	10/6/2021 6:47:00 PM	63017
Ethylbenzene	ND	0.046		mg/Kg	1	10/6/2021 6:47:00 PM	63017
Xylenes, Total	ND	0.093		mg/Kg	1	10/6/2021 6:47:00 PM	63017
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	10/6/2021 6:47:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP5-16

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 7:55:00 AM

Lab ID: 2110009-003

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/6/2021 1:12:25 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/5/2021 11:34:37 AM	63019
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/5/2021 11:34:37 AM	63019
Surr: DNOP	79.2	70-130		%Rec	1	10/5/2021 11:34:37 AM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/6/2021 7:06:00 PM	63017
Surr: BFB	106	70-130		%Rec	1	10/6/2021 7:06:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/6/2021 7:06:00 PM	63017
Toluene	ND	0.048		mg/Kg	1	10/6/2021 7:06:00 PM	63017
Ethylbenzene	ND	0.048		mg/Kg	1	10/6/2021 7:06:00 PM	63017
Xylenes, Total	ND	0.096		mg/Kg	1	10/6/2021 7:06:00 PM	63017
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	10/6/2021 7:06:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP5-20

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 8:05:00 AM

Lab ID: 2110009-004

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	18	9.9		mg/Kg	1	10/8/2021 2:55:06 AM	63019
Motor Oil Range Organics (MRO)	64	49		mg/Kg	1	10/8/2021 2:55:06 AM	63019
Surr: DNOP	101	70-130		%Rec	1	10/8/2021 2:55:06 AM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/6/2021 7:26:00 PM	63017
Surr: BFB	104	70-130		%Rec	1	10/6/2021 7:26:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/6/2021 7:26:00 PM	63017
Toluene	ND	0.046		mg/Kg	1	10/6/2021 7:26:00 PM	63017
Ethylbenzene	ND	0.046		mg/Kg	1	10/6/2021 7:26:00 PM	63017
Xylenes, Total	ND	0.092		mg/Kg	1	10/6/2021 7:26:00 PM	63017
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	10/6/2021 7:26:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-4

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 8:25:00 AM

Lab ID: 2110009-005

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	930	60		mg/Kg	20	10/6/2021 1:24:49 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	570	50		mg/Kg	5	10/8/2021 9:16:23 AM	63019
Motor Oil Range Organics (MRO)	1600	250		mg/Kg	5	10/8/2021 9:16:23 AM	63019
Surr: DNOP	81.7	70-130		%Rec	5	10/8/2021 9:16:23 AM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/6/2021 7:45:00 PM	63017
Surr: BFB	98.6	70-130		%Rec	1	10/6/2021 7:45:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/6/2021 7:45:00 PM	63017
Toluene	ND	0.048		mg/Kg	1	10/6/2021 7:45:00 PM	63017
Ethylbenzene	ND	0.048		mg/Kg	1	10/6/2021 7:45:00 PM	63017
Xylenes, Total	ND	0.097		mg/Kg	1	10/6/2021 7:45:00 PM	63017
Surr: 4-Bromofluorobenzene	86.9	70-130		%Rec	1	10/6/2021 7:45:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-8

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 8:30:00 AM

Lab ID: 2110009-006

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1100	61		mg/Kg	20	10/6/2021 1:37:14 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/5/2021 11:46:58 AM	63019
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/5/2021 11:46:58 AM	63019
Surr: DNOP	84.6	70-130		%Rec	1	10/5/2021 11:46:58 AM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/6/2021 8:05:00 PM	63017
Surr: BFB	98.0	70-130		%Rec	1	10/6/2021 8:05:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/6/2021 8:05:00 PM	63017
Toluene	ND	0.049		mg/Kg	1	10/6/2021 8:05:00 PM	63017
Ethylbenzene	ND	0.049		mg/Kg	1	10/6/2021 8:05:00 PM	63017
Xylenes, Total	ND	0.098		mg/Kg	1	10/6/2021 8:05:00 PM	63017
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	10/6/2021 8:05:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-12

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 8:40:00 AM

Lab ID: 2110009-007

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	640	59		mg/Kg	20	10/6/2021 1:49:39 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/5/2021 11:59:13 AM	63019
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/5/2021 11:59:13 AM	63019
Surr: DNOP	72.9	70-130		%Rec	1	10/5/2021 11:59:13 AM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/6/2021 8:25:00 PM	63017
Surr: BFB	104	70-130		%Rec	1	10/6/2021 8:25:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/6/2021 8:25:00 PM	63017
Toluene	ND	0.048		mg/Kg	1	10/6/2021 8:25:00 PM	63017
Ethylbenzene	ND	0.048		mg/Kg	1	10/6/2021 8:25:00 PM	63017
Xylenes, Total	ND	0.097		mg/Kg	1	10/6/2021 8:25:00 PM	63017
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	10/6/2021 8:25:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-16

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 8:45:00 AM

Lab ID: 2110009-008

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	180	60		mg/Kg	20	10/6/2021 2:02:04 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/5/2021 12:11:27 PM	63019
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2021 12:11:27 PM	63019
Surr: DNOP	74.3	70-130		%Rec	1	10/5/2021 12:11:27 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/6/2021 9:24:00 PM	63017
Surr: BFB	116	70-130		%Rec	5	10/6/2021 9:24:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.12		mg/Kg	5	10/6/2021 9:24:00 PM	63017
Toluene	ND	0.25		mg/Kg	5	10/6/2021 9:24:00 PM	63017
Ethylbenzene	ND	0.25		mg/Kg	5	10/6/2021 9:24:00 PM	63017
Xylenes, Total	ND	0.50		mg/Kg	5	10/6/2021 9:24:00 PM	63017
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	5	10/6/2021 9:24:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-18

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 8:50:00 AM

Lab ID: 2110009-009

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/5/2021 12:23:43 PM	63019
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2021 12:23:43 PM	63019
Surr: DNOP	74.1	70-130		%Rec	1	10/5/2021 12:23:43 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/6/2021 9:43:00 PM	63017
Surr: BFB	111	70-130		%Rec	5	10/6/2021 9:43:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.12		mg/Kg	5	10/6/2021 9:43:00 PM	63017
Toluene	ND	0.24		mg/Kg	5	10/6/2021 9:43:00 PM	63017
Ethylbenzene	ND	0.24		mg/Kg	5	10/6/2021 9:43:00 PM	63017
Xylenes, Total	ND	0.48		mg/Kg	5	10/6/2021 9:43:00 PM	63017
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	5	10/6/2021 9:43:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP6-20

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 8:55:00 AM

Lab ID: 2110009-010

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/5/2021 12:35:51 PM	63019
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2021 12:35:51 PM	63019
Surr: DNOP	75.7	70-130		%Rec	1	10/5/2021 12:35:51 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/6/2021 10:03:00 PM	63017
Surr: BFB	98.3	70-130		%Rec	1	10/6/2021 10:03:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/6/2021 10:03:00 PM	63017
Toluene	ND	0.047		mg/Kg	1	10/6/2021 10:03:00 PM	63017
Ethylbenzene	ND	0.047		mg/Kg	1	10/6/2021 10:03:00 PM	63017
Xylenes, Total	ND	0.093		mg/Kg	1	10/6/2021 10:03:00 PM	63017
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	10/6/2021 10:03:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP7-2

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 9:10:00 AM

Lab ID: 2110009-011

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	930	60		mg/Kg	20	10/6/2021 2:14:29 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/5/2021 12:48:06 PM	63019
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/5/2021 12:48:06 PM	63019
Surr: DNOP	79.8	70-130		%Rec	1	10/5/2021 12:48:06 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/6/2021 10:23:00 PM	63017
Surr: BFB	106	70-130		%Rec	1	10/6/2021 10:23:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/6/2021 10:23:00 PM	63017
Toluene	ND	0.048		mg/Kg	1	10/6/2021 10:23:00 PM	63017
Ethylbenzene	ND	0.048		mg/Kg	1	10/6/2021 10:23:00 PM	63017
Xylenes, Total	ND	0.096		mg/Kg	1	10/6/2021 10:23:00 PM	63017
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	10/6/2021 10:23:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP7-8

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 9:25:00 AM

Lab ID: 2110009-012

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1200	60		mg/Kg	20	10/6/2021 2:51:42 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/5/2021 1:00:23 PM	63019
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/5/2021 1:00:23 PM	63019
Surr: DNOP	74.4	70-130		%Rec	1	10/5/2021 1:00:23 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/6/2021 10:42:00 PM	63017
Surr: BFB	102	70-130		%Rec	1	10/6/2021 10:42:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/6/2021 10:42:00 PM	63017
Toluene	ND	0.049		mg/Kg	1	10/6/2021 10:42:00 PM	63017
Ethylbenzene	ND	0.049		mg/Kg	1	10/6/2021 10:42:00 PM	63017
Xylenes, Total	ND	0.097		mg/Kg	1	10/6/2021 10:42:00 PM	63017
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	1	10/6/2021 10:42:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP7-12

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 9:30:00 AM

Lab ID: 2110009-013

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	190	60		mg/Kg	20	10/6/2021 3:04:07 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/5/2021 1:12:37 PM	63019
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2021 1:12:37 PM	63019
Surr: DNOP	79.8	70-130		%Rec	1	10/5/2021 1:12:37 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/6/2021 11:02:00 PM	63017
Surr: BFB	97.9	70-130		%Rec	1	10/6/2021 11:02:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/6/2021 11:02:00 PM	63017
Toluene	ND	0.047		mg/Kg	1	10/6/2021 11:02:00 PM	63017
Ethylbenzene	ND	0.047		mg/Kg	1	10/6/2021 11:02:00 PM	63017
Xylenes, Total	ND	0.094		mg/Kg	1	10/6/2021 11:02:00 PM	63017
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	10/6/2021 11:02:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP7-14

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 9:35:00 AM

Lab ID: 2110009-014

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/5/2021 1:24:56 PM	63019
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2021 1:24:56 PM	63019
Surr: DNOP	77.9	70-130		%Rec	1	10/5/2021 1:24:56 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/6/2021 11:22:00 PM	63017
Surr: BFB	94.3	70-130		%Rec	1	10/6/2021 11:22:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/6/2021 11:22:00 PM	63017
Toluene	ND	0.049		mg/Kg	1	10/6/2021 11:22:00 PM	63017
Ethylbenzene	ND	0.049		mg/Kg	1	10/6/2021 11:22:00 PM	63017
Xylenes, Total	ND	0.099		mg/Kg	1	10/6/2021 11:22:00 PM	63017
Surr: 4-Bromofluorobenzene	83.3	70-130		%Rec	1	10/6/2021 11:22:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP8-2

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 9:55:00 AM

Lab ID: 2110009-015

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1100	60		mg/Kg	20	10/6/2021 3:16:31 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/5/2021 1:37:15 PM	63019
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/5/2021 1:37:15 PM	63019
Surr: DNOP	76.2	70-130		%Rec	1	10/5/2021 1:37:15 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/6/2021 11:41:00 PM	63017
Surr: BFB	99.4	70-130		%Rec	1	10/6/2021 11:41:00 PM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/6/2021 11:41:00 PM	63017
Toluene	ND	0.049		mg/Kg	1	10/6/2021 11:41:00 PM	63017
Ethylbenzene	ND	0.049		mg/Kg	1	10/6/2021 11:41:00 PM	63017
Xylenes, Total	ND	0.098		mg/Kg	1	10/6/2021 11:41:00 PM	63017
Surr: 4-Bromofluorobenzene	84.6	70-130		%Rec	1	10/6/2021 11:41:00 PM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP8-6

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 10:00:00 AM

Lab ID: 2110009-016

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1300	59		mg/Kg	20	10/6/2021 3:28:56 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/5/2021 1:49:26 PM	63019
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2021 1:49:26 PM	63019
Surr: DNOP	64.4	70-130	S	%Rec	1	10/5/2021 1:49:26 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/7/2021 12:01:00 AM	63017
Surr: BFB	97.6	70-130		%Rec	1	10/7/2021 12:01:00 AM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	10/7/2021 12:01:00 AM	63017
Toluene	ND	0.050		mg/Kg	1	10/7/2021 12:01:00 AM	63017
Ethylbenzene	ND	0.050		mg/Kg	1	10/7/2021 12:01:00 AM	63017
Xylenes, Total	ND	0.10		mg/Kg	1	10/7/2021 12:01:00 AM	63017
Surr: 4-Bromofluorobenzene	88.6	70-130		%Rec	1	10/7/2021 12:01:00 AM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP8-10

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 10:05:00 AM

Lab ID: 2110009-017

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1300	60		mg/Kg	20	10/6/2021 3:41:20 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/5/2021 2:01:41 PM	63019
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2021 2:01:41 PM	63019
Surr: DNOP	77.0	70-130		%Rec	1	10/5/2021 2:01:41 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/7/2021 12:21:00 AM	63017
Surr: BFB	101	70-130		%Rec	1	10/7/2021 12:21:00 AM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	10/7/2021 12:21:00 AM	63017
Toluene	ND	0.047		mg/Kg	1	10/7/2021 12:21:00 AM	63017
Ethylbenzene	ND	0.047		mg/Kg	1	10/7/2021 12:21:00 AM	63017
Xylenes, Total	ND	0.093		mg/Kg	1	10/7/2021 12:21:00 AM	63017
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	10/7/2021 12:21:00 AM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP8-14

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 10:15:00 AM

Lab ID: 2110009-018

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	630	59		mg/Kg	20	10/6/2021 3:53:45 AM	63042
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/5/2021 2:13:54 PM	63019
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/5/2021 2:13:54 PM	63019
Surr: DNOP	79.4	70-130		%Rec	1	10/5/2021 2:13:54 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/7/2021 1:20:00 AM	63017
Surr: BFB	98.7	70-130		%Rec	1	10/7/2021 1:20:00 AM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/7/2021 1:20:00 AM	63017
Toluene	ND	0.048		mg/Kg	1	10/7/2021 1:20:00 AM	63017
Ethylbenzene	ND	0.048		mg/Kg	1	10/7/2021 1:20:00 AM	63017
Xylenes, Total	ND	0.096		mg/Kg	1	10/7/2021 1:20:00 AM	63017
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	10/7/2021 1:20:00 AM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP8-16

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 10:20:00 AM

Lab ID: 2110009-019

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	10/5/2021 2:26:19 PM	63019
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/5/2021 2:26:19 PM	63019
Surr: DNOP	63.4	70-130	S	%Rec	1	10/5/2021 2:26:19 PM	63019
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/7/2021 1:39:00 AM	63017
Surr: BFB	98.9	70-130		%Rec	1	10/7/2021 1:39:00 AM	63017
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/7/2021 1:39:00 AM	63017
Toluene	ND	0.047		mg/Kg	1	10/7/2021 1:39:00 AM	63017
Ethylbenzene	ND	0.047		mg/Kg	1	10/7/2021 1:39:00 AM	63017
Xylenes, Total	ND	0.093		mg/Kg	1	10/7/2021 1:39:00 AM	63017
Surr: 4-Bromofluorobenzene	89.6	70-130		%Rec	1	10/7/2021 1:39:00 AM	63017

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP9-2

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 10:40:00 AM

Lab ID: 2110009-020

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1800	60		mg/Kg	20	10/6/2021 9:27:40 AM	63068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/8/2021 10:05:20 AM	63051
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/8/2021 10:05:20 AM	63051
Surr: DNOP	102	70-130		%Rec	1	10/8/2021 10:05:20 AM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/7/2021 2:58:00 AM	63023
Surr: BFB	109	70-130		%Rec	1	10/7/2021 2:58:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/7/2021 2:58:00 AM	63023
Toluene	ND	0.048		mg/Kg	1	10/7/2021 2:58:00 AM	63023
Ethylbenzene	ND	0.048		mg/Kg	1	10/7/2021 2:58:00 AM	63023
Xylenes, Total	ND	0.096		mg/Kg	1	10/7/2021 2:58:00 AM	63023
Surr: 4-Bromofluorobenzene	93.2	70-130		%Rec	1	10/7/2021 2:58:00 AM	63023

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP9-6

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 10:45:00 AM

Lab ID: 2110009-021

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1700	60		mg/Kg	20	10/6/2021 10:04:54 AM	63068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/8/2021 4:59:37 PM	63051
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/8/2021 4:59:37 PM	63051
Surr: DNOP	117	70-130		%Rec	1	10/8/2021 4:59:37 PM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/7/2021 3:57:00 AM	63023
Surr: BFB	97.2	70-130		%Rec	1	10/7/2021 3:57:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/7/2021 3:57:00 AM	63023
Toluene	ND	0.049		mg/Kg	1	10/7/2021 3:57:00 AM	63023
Ethylbenzene	ND	0.049		mg/Kg	1	10/7/2021 3:57:00 AM	63023
Xylenes, Total	ND	0.099		mg/Kg	1	10/7/2021 3:57:00 AM	63023
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	10/7/2021 3:57:00 AM	63023

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

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

## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP9-10

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 10:50:00 AM

Lab ID: 2110009-022

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	120	60		mg/Kg	20	10/6/2021 10:42:08 AM	63068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/8/2021 5:12:11 PM	63051
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/8/2021 5:12:11 PM	63051
Surr: DNOP	69.1	70-130	S	%Rec	1	10/8/2021 5:12:11 PM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/7/2021 4:56:00 AM	63023
Surr: BFB	98.6	70-130		%Rec	1	10/7/2021 4:56:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/7/2021 4:56:00 AM	63023
Toluene	ND	0.048		mg/Kg	1	10/7/2021 4:56:00 AM	63023
Ethylbenzene	ND	0.048		mg/Kg	1	10/7/2021 4:56:00 AM	63023
Xylenes, Total	ND	0.095		mg/Kg	1	10/7/2021 4:56:00 AM	63023
Surr: 4-Bromofluorobenzene	87.8	70-130		%Rec	1	10/7/2021 4:56:00 AM	63023

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP9-12

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 10:55:00 AM

Lab ID: 2110009-023

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/8/2021 5:25:02 PM	63051
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/8/2021 5:25:02 PM	63051
Surr: DNOP	87.5	70-130		%Rec	1	10/8/2021 5:25:02 PM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/7/2021 5:16:00 AM	63023
Surr: BFB	98.9	70-130		%Rec	1	10/7/2021 5:16:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/7/2021 5:16:00 AM	63023
Toluene	ND	0.048		mg/Kg	1	10/7/2021 5:16:00 AM	63023
Ethylbenzene	ND	0.048		mg/Kg	1	10/7/2021 5:16:00 AM	63023
Xylenes, Total	ND	0.097		mg/Kg	1	10/7/2021 5:16:00 AM	63023
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	10/7/2021 5:16:00 AM	63023

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP10-2

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 12:30:00 PM

Lab ID: 2110009-024

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	2400	60		mg/Kg	20	10/6/2021 10:54:33 AM	63068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/8/2021 5:37:26 PM	63051
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/8/2021 5:37:26 PM	63051
Surr: DNOP	102	70-130		%Rec	1	10/8/2021 5:37:26 PM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/7/2021 5:36:00 AM	63023
Surr: BFB	103	70-130		%Rec	1	10/7/2021 5:36:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/7/2021 5:36:00 AM	63023
Toluene	ND	0.049		mg/Kg	1	10/7/2021 5:36:00 AM	63023
Ethylbenzene	ND	0.049		mg/Kg	1	10/7/2021 5:36:00 AM	63023
Xylenes, Total	ND	0.098		mg/Kg	1	10/7/2021 5:36:00 AM	63023
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	10/7/2021 5:36:00 AM	63023

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

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

## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP10-6

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 12:35:00 PM

Lab ID: 2110009-025

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	1900	60		mg/Kg	20	10/6/2021 11:31:48 AM	63068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/8/2021 5:49:52 PM	63051
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/8/2021 5:49:52 PM	63051
Surr: DNOP	110	70-130		%Rec	1	10/8/2021 5:49:52 PM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/7/2021 5:56:00 AM	63023
Surr: BFB	107	70-130		%Rec	1	10/7/2021 5:56:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/7/2021 5:56:00 AM	63023
Toluene	ND	0.049		mg/Kg	1	10/7/2021 5:56:00 AM	63023
Ethylbenzene	ND	0.049		mg/Kg	1	10/7/2021 5:56:00 AM	63023
Xylenes, Total	ND	0.099		mg/Kg	1	10/7/2021 5:56:00 AM	63023
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	10/7/2021 5:56:00 AM	63023

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

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

## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP10-8

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 12:40:00 PM

Lab ID: 2110009-026

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	110	60		mg/Kg	20	10/6/2021 11:44:12 AM	63068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/8/2021 6:02:23 PM	63051
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/8/2021 6:02:23 PM	63051
Surr: DNOP	102	70-130		%Rec	1	10/8/2021 6:02:23 PM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/7/2021 6:15:00 AM	63023
Surr: BFB	94.6	70-130		%Rec	1	10/7/2021 6:15:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/7/2021 6:15:00 AM	63023
Toluene	ND	0.047		mg/Kg	1	10/7/2021 6:15:00 AM	63023
Ethylbenzene	ND	0.047		mg/Kg	1	10/7/2021 6:15:00 AM	63023
Xylenes, Total	ND	0.094		mg/Kg	1	10/7/2021 6:15:00 AM	63023
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	10/7/2021 6:15:00 AM	63023

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

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

## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP10-9

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 12:45:00 PM

Lab ID: 2110009-027

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	10/8/2021 6:14:49 PM	63051
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/8/2021 6:14:49 PM	63051
Surr: DNOP	110	70-130		%Rec	1	10/8/2021 6:14:49 PM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/7/2021 6:35:00 AM	63023
Surr: BFB	96.2	70-130		%Rec	1	10/7/2021 6:35:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/7/2021 6:35:00 AM	63023
Toluene	ND	0.049		mg/Kg	1	10/7/2021 6:35:00 AM	63023
Ethylbenzene	ND	0.049		mg/Kg	1	10/7/2021 6:35:00 AM	63023
Xylenes, Total	ND	0.099		mg/Kg	1	10/7/2021 6:35:00 AM	63023
Surr: 4-Bromofluorobenzene	83.2	70-130		%Rec	1	10/7/2021 6:35:00 AM	63023

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

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

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## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP11-S

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 1:15:00 PM

Lab ID: 2110009-028

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	ND	60		mg/Kg	20	10/6/2021 11:56:36 AM	63068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/8/2021 6:27:27 PM	63051
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	10/8/2021 6:27:27 PM	63051
Surr: DNOP	65.4	70-130	S	%Rec	1	10/8/2021 6:27:27 PM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/7/2021 7:34:00 AM	63023
Surr: BFB	103	70-130		%Rec	1	10/7/2021 7:34:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/7/2021 7:34:00 AM	63023
Toluene	ND	0.047		mg/Kg	1	10/7/2021 7:34:00 AM	63023
Ethylbenzene	ND	0.047		mg/Kg	1	10/7/2021 7:34:00 AM	63023
Xylenes, Total	ND	0.094		mg/Kg	1	10/7/2021 7:34:00 AM	63023
Surr: 4-Bromofluorobenzene	90.0	70-130		%Rec	1	10/7/2021 7:34:00 AM	63023

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

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

## Analytical Report

Lab Order 2110009

Date Reported: 10/14/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP11-2

Project: Gissler AV Tank Battery

Collection Date: 9/29/2021 1:05:00 PM

Lab ID: 2110009-029

Matrix: SOIL

Received Date: 10/1/2021 7:38:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>VP</b>
Chloride	210	60		mg/Kg	20	10/6/2021 12:09:01 PM	63068
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/8/2021 6:40:01 PM	63051
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/8/2021 6:40:01 PM	63051
Surr: DNOP	68.4	70-130	S	%Rec	1	10/8/2021 6:40:01 PM	63051
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/7/2021 7:54:00 AM	63023
Surr: BFB	105	70-130		%Rec	1	10/7/2021 7:54:00 AM	63023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/7/2021 7:54:00 AM	63023
Toluene	ND	0.050		mg/Kg	1	10/7/2021 7:54:00 AM	63023
Ethylbenzene	ND	0.050		mg/Kg	1	10/7/2021 7:54:00 AM	63023
Xylenes, Total	ND	0.10		mg/Kg	1	10/7/2021 7:54:00 AM	63023
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	10/7/2021 7:54:00 AM	63023

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

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

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

WO#: 2110009

14-Oct-21

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-63042</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63042</b>	RunNo: <b>81813</b>								
Prep Date: <b>10/5/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894205</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63042</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63042</b>	RunNo: <b>81813</b>								
Prep Date: <b>10/5/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894206</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.7	90	110			

Sample ID: <b>MB-63068</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63068</b>	RunNo: <b>81844</b>								
Prep Date: <b>10/6/2021</b>	Analysis Date: <b>10/6/2021</b>	SeqNo: <b>2895385</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63068</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63068</b>	RunNo: <b>81844</b>								
Prep Date: <b>10/6/2021</b>	Analysis Date: <b>10/6/2021</b>	SeqNo: <b>2895386</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.4	90	110			

**Qualifiers:**

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

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

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

WO#: 2110009

14-Oct-21

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-63019</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63019</b>	RunNo: <b>81801</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894811</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		88.7	70	130			

Sample ID: <b>LCS-63019</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63019</b>	RunNo: <b>81801</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/5/2021</b>	SeqNo: <b>2894812</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.6	68.9	135			
Surr: DNOP	4.1		5.000		82.9	70	130			

Sample ID: <b>MB-63051</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63051</b>	RunNo: <b>81900</b>								
Prep Date: <b>10/5/2021</b>	Analysis Date: <b>10/8/2021</b>	SeqNo: <b>2898289</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	70	130			

Sample ID: <b>LCS-63051</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63051</b>	RunNo: <b>81900</b>								
Prep Date: <b>10/5/2021</b>	Analysis Date: <b>10/8/2021</b>	SeqNo: <b>2898290</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	116	68.9	135			
Surr: DNOP	5.9		5.000		118	70	130			

Sample ID: <b>2110009-020AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>TP9-2</b>	Batch ID: <b>63051</b>	RunNo: <b>81900</b>								
Prep Date: <b>10/5/2021</b>	Analysis Date: <b>10/8/2021</b>	SeqNo: <b>2898292</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	59	10	49.95	0	119	39.3	155			
Surr: DNOP	6.2		4.995		125	70	130			

**Qualifiers:**

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110009

14-Oct-21

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: 2110009-020AMSD		SampType: MSD		TestCode: EPA Method 8015M/D: Diesel Range Organics							
Client ID: TP9-2		Batch ID: 63051		RunNo: 81900							
Prep Date: 10/5/2021		Analysis Date: 10/8/2021		SeqNo: 2898606		Units: mg/Kg					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Diesel Range Organics (DRO)	38	9.2	45.96	0	82.7	39.3	155	43.9	23.4	R	
Surr: DNOP	3.7		4.596		79.5	70	130	0	0		

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2110009

14-Oct-21

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-63017</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63017</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/6/2021</b>	SeqNo: <b>2895595</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1100		1000		109	70	130			

Sample ID: <b>mb-63023</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63023</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2895596</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		101	70	130			

Sample ID: <b>lcs-63017</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63017</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/6/2021</b>	SeqNo: <b>2895597</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	32	5.0	25.00	0	130	78.6	131			
Surr: BFB	1300		1000		126	70	130			

Sample ID: <b>lcs-63023</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63023</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2895598</b> Units: <b>mg/Kg</b>								
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		107	70	130			

Sample ID: <b>2110009-020ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>TP9-2</b>	Batch ID: <b>63023</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2895600</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.63	0	115	61.3	114			S
Surr: BFB	1100		985.2		116	70	130			

Sample ID: <b>2110009-020amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>TP9-2</b>	Batch ID: <b>63023</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2895602</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110009

14-Oct-21

Client: GHD Midland  
Project: Gissler AV Tank Battery

Sample ID: 2110009-020amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: TP9-2		Batch ID: 63023		RunNo: 81827						
Prep Date: 10/4/2021		Analysis Date: 10/7/2021		SeqNo: 2895602		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	4.7	23.65	0	113	61.3	114	6.58	20	
Surr: BFB	1100		946.1		117	70	130	0	0	

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 34 of 36

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

WO#: 2110009

14-Oct-21

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-63017</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63017</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/6/2021</b>	SeqNo: <b>2895634</b> Units: <b>mg/Kg</b>								
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		99.6	70	130			

Sample ID: <b>mb-63023</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63023</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2895635</b> Units: <b>mg/Kg</b>								
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		92.9	70	130			

Sample ID: <b>lcs-63017</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63017</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/6/2021</b>	SeqNo: <b>2895636</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	1.000	0	108	80	120			
Toluene	1.1	0.050	1.000	0	108	80	120			
Ethylbenzene	1.1	0.050	1.000	0	107	80	120			
Xylenes, Total	3.2	0.10	3.000	0	108	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.3	70	130			

Sample ID: <b>lcs-63023</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63023</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2895637</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.8	80	120			
Toluene	0.94	0.050	1.000	0	93.8	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.7	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.8	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.8	70	130			

**Qualifiers:**

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

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

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

WO#: 2110009

14-Oct-21

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>2110009-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>TP5-2</b>	Batch ID: <b>63017</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/6/2021</b>	SeqNo: <b>2895638</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.024	0.9625	0	99.1	80	120			
Toluene	0.93	0.048	0.9625	0	96.8	80	120			
Ethylbenzene	0.99	0.048	0.9625	0	103	80	120			
Xylenes, Total	3.0	0.096	2.887	0	106	80	120			
Surr: 4-Bromofluorobenzene	0.92		0.9625		95.5	70	130			

Sample ID: <b>2110009-021ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>TP9-6</b>	Batch ID: <b>63023</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2895639</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	0.9852	0	93.7	80	120			
Toluene	0.93	0.049	0.9852	0	94.3	80	120			
Ethylbenzene	0.94	0.049	0.9852	0	95.6	80	120			
Xylenes, Total	2.9	0.099	2.956	0	98.3	80	120			
Surr: 4-Bromofluorobenzene	0.89		0.9852		90.5	70	130			

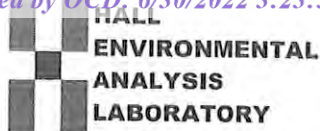
Sample ID: <b>2110009-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>TP5-2</b>	Batch ID: <b>63017</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/6/2021</b>	SeqNo: <b>2895642</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9709	0	103	80	120	4.24	20	
Toluene	1.0	0.049	0.9709	0	104	80	120	7.83	20	
Ethylbenzene	1.0	0.049	0.9709	0	104	80	120	2.17	20	
Xylenes, Total	3.1	0.097	2.913	0	107	80	120	2.36	20	
Surr: 4-Bromofluorobenzene	0.91		0.9709		94.2	70	130	0	0	

Sample ID: <b>2110009-021amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>TP9-6</b>	Batch ID: <b>63023</b>	RunNo: <b>81827</b>								
Prep Date: <b>10/4/2021</b>	Analysis Date: <b>10/7/2021</b>	SeqNo: <b>2895644</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9690	0	96.0	80	120	0.708	20	
Toluene	0.93	0.048	0.9690	0	95.8	80	120	0.0723	20	
Ethylbenzene	0.93	0.048	0.9690	0	95.9	80	120	1.32	20	
Xylenes, Total	2.9	0.097	2.907	0	98.5	80	120	1.49	20	
Surr: 4-Bromofluorobenzene	0.91		0.9690		94.2	70	130	0	0	

**Qualifiers:**

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

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



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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2110009

RcptNo: 1

Received By: Tracy Casarrubias 10/1/2021 7:38:00 AM

Completed By: Sean Livingston 10/1/2021 9:39:19 AM

Reviewed By: JR 10/1/21

Chain of Custody

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

Log In

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

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted? \_\_\_\_\_

Checked by: TMC 10/1/21

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	5.8	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)

Date	Time	Matrix	Sample Name
6/29/21	0725	S	TP5-2
	0740		TP5-8
	0755		TP5-16
	0805		TP5-20
	0815		TP6-4
	0830		TP6-8
	0840		TP6-12
	0845		TP6-16
	0850		TP6-18
	0855		TP6-20
	0910		TP7-2
	0925		TP7-8

Date: Time:

Relinquished by:

Zach Comino / 3/2/21

Date: Time:

Relinquished by:

Zach Comino / 3/2/21

Turn-Around Time:

☒ Standard☐ Rush

Project Name:

Gisher AV Tank Battery

Project #:

12563391

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp (including CP): 5.9-0.1=5.8

Container Type and #

Preservative Type

Sec 10.1.1.2

HEAL No.

21007 2110009

TPH: 8015D(GRO / DRO / MRO)

BTEX / MTBE / TMB's (8021)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

If sample taken please

2

2

2

2

2

2

2

2

2

2

2

2

2

2

Received by: Via: Date Time

Zach Comino 9/30/21 8:00

Received by: Via: Date Time

Zach Comino 10/1/21 7:30

Remarks: Please email: Chase\_Settle@eogresources.com;

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

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

listed above.

Direct Bill to EOG Chase Settle

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

Chain-of-Custody Record		Turn-Around Time:	
Client: GHD		<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Rush <u>5-sec</u>
Mailing Address:		Project Name: <u>Cissler AV Tank Battery</u>	
324 W. Main St. Suite 108, Artesia NM 88210		Project #: <u>12563391</u>	
Phone #: (505)377-4218		Project Manager: <u>Becky Haskell</u>	
email or Fax#: <u>Becky.Haskell@ghd.com</u>		Tom Larson	
QA/QC Package:		Sampler: Zach Comino	
<input type="checkbox"/> Standard	<input type="checkbox"/> Level 4 (Full Validation)	On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Accreditation: <input type="checkbox"/> Az Compliance		# of Coolers: <u>8</u>	
<input type="checkbox"/> NELAC	<input type="checkbox"/> Other	<u>10/1/21</u>	
<input type="checkbox"/> EDD (Type)			

Turn-Around Time:	<input checked="" type="checkbox"/> Standard	<input type="checkbox"/> Rush	5-day
Project Name:	Cissler AV Tank Battery		
Project #:	12563391		
Project Manager:	Becky Haskell		
	Tom Larson		
Sampler:	Zach Comino		
On Ice:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
# of Coolers:	1	500	10/1/12

<b>Chain-of-Custody Record</b>	
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:	
<input type="checkbox"/> Standard	<input type="checkbox"/> Level 4 (Full Validation)
Accreditation:	<input type="checkbox"/> Az Compliance
<input type="checkbox"/> NELAC	<input type="checkbox"/> Other _____
<input type="checkbox"/> EDD (Type) _____	

Date	Time	Matrix	Sample Name	Cooler Temp (including CF): <b>S.9 -0.1=5.8</b>		HEAL No.
				Container Type and #	Preservative Type	
09/29/20	0930	S	TP7-12	Jer		013
	0935		TP7-14			014
	0955		TP8-2			015
	1000		TP8-6			016
	1005		TP8-10			017
	1015		TP8-14			018
	1020		TP8-16			019
	1040		TP9-2			020
	1045		TP9-6			021
	1050		TP9-10			022
	1055		TP9-12			023
	1230		TP10-7			024

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
09/20/20	0800	Zach Levine / jpl	[Signature]		9/30/21	800
10/30/21	1900	[Signature]	[Signature]	center	10/11/21	7:30

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

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





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

October 29, 2021

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

RE: Gissler AV Battery

OrderNo.: 2110A69

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 18 sample(s) on 10/22/2021 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP12-2

Project: Gissler AV Battery

Collection Date: 10/20/2021 1:45:00 PM

Lab ID: 2110A69-001

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	130	60		mg/Kg	20	10/27/2021 7:08:08 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/26/2021 12:54:29 AM	63522
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/26/2021 12:54:29 AM	63522
Surr: DNOP	83.3	70-130		%Rec	1	10/26/2021 12:54:29 AM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/25/2021 8:17:53 PM	63500
Surr: BFB	103	70-130		%Rec	1	10/25/2021 8:17:53 PM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	10/25/2021 8:17:53 PM	63500
Toluene	ND	0.050		mg/Kg	1	10/25/2021 8:17:53 PM	63500
Ethylbenzene	ND	0.050		mg/Kg	1	10/25/2021 8:17:53 PM	63500
Xylenes, Total	ND	0.10		mg/Kg	1	10/25/2021 8:17:53 PM	63500
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	10/25/2021 8:17:53 PM	63500

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

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

## Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

CLIENT: GHD Midland

Client Sample ID: TP12-4

Project: Gissler AV Battery

Collection Date: 10/20/2021 1:55:00 PM

Lab ID: 2110A69-002

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	410	60		mg/Kg	20	10/27/2021 8:09:55 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	140	9.8		mg/Kg	1	10/27/2021 3:07:03 PM	63522
Motor Oil Range Organics (MRO)	310	49		mg/Kg	1	10/27/2021 3:07:03 PM	63522
Surr: DNOP	112	70-130		%Rec	1	10/27/2021 3:07:03 PM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/25/2021 8:41:11 PM	63500
Surr: BFB	103	70-130		%Rec	1	10/25/2021 8:41:11 PM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	10/25/2021 8:41:11 PM	63500
Toluene	ND	0.048		mg/Kg	1	10/25/2021 8:41:11 PM	63500
Ethylbenzene	ND	0.048		mg/Kg	1	10/25/2021 8:41:11 PM	63500
Xylenes, Total	ND	0.096		mg/Kg	1	10/25/2021 8:41:11 PM	63500
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	10/25/2021 8:41:11 PM	63500

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

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

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP12-6

Project: Gissler AV Battery

Collection Date: 10/20/2021 2:05:00 PM

Lab ID: 2110A69-003

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/27/2021 8:22:17 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/26/2021 1:16:35 AM	63522
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 1:16:35 AM	63522
Surr: DNOP	72.9	70-130		%Rec	1	10/26/2021 1:16:35 AM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/25/2021 9:04:32 PM	63500
Surr: BFB	108	70-130		%Rec	1	10/25/2021 9:04:32 PM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	10/25/2021 9:04:32 PM	63500
Toluene	ND	0.048		mg/Kg	1	10/25/2021 9:04:32 PM	63500
Ethylbenzene	ND	0.048		mg/Kg	1	10/25/2021 9:04:32 PM	63500
Xylenes, Total	ND	0.096		mg/Kg	1	10/25/2021 9:04:32 PM	63500
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	10/25/2021 9:04:32 PM	63500

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

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

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP13-2

Project: Gissler AV Battery

Collection Date: 10/20/2021 12:45:00 PM

Lab ID: 2110A69-004

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	870	60		mg/Kg	20	10/27/2021 8:34:37 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	1200	99		mg/Kg	10	10/27/2021 5:14:50 PM	63522
Motor Oil Range Organics (MRO)	2700	490		mg/Kg	10	10/27/2021 5:14:50 PM	63522
Surr: DNOP	0	70-130	S	%Rec	10	10/27/2021 5:14:50 PM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/25/2021 9:28:00 PM	63500
Surr: BFB	102	70-130		%Rec	5	10/25/2021 9:28:00 PM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	10/25/2021 9:28:00 PM	63500
Toluene	ND	0.24		mg/Kg	5	10/25/2021 9:28:00 PM	63500
Ethylbenzene	ND	0.24		mg/Kg	5	10/25/2021 9:28:00 PM	63500
Xylenes, Total	ND	0.47		mg/Kg	5	10/25/2021 9:28:00 PM	63500
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	5	10/25/2021 9:28:00 PM	63500

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

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

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP13-6

Project: Gissler AV Battery

Collection Date: 10/20/2021 12:50:00 PM

Lab ID: 2110A69-005

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	790	61		mg/Kg	20	10/27/2021 8:46:59 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	1200	200		mg/Kg	20	10/27/2021 5:38:43 PM	63522
Motor Oil Range Organics (MRO)	3100	990		mg/Kg	20	10/27/2021 5:38:43 PM	63522
Surr: DNOP	0	70-130	S	%Rec	20	10/27/2021 5:38:43 PM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	10/25/2021 9:51:25 PM	63500
Surr: BFB	104	70-130		%Rec	5	10/25/2021 9:51:25 PM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	10/25/2021 9:51:25 PM	63500
Toluene	ND	0.24		mg/Kg	5	10/25/2021 9:51:25 PM	63500
Ethylbenzene	ND	0.24		mg/Kg	5	10/25/2021 9:51:25 PM	63500
Xylenes, Total	ND	0.48		mg/Kg	5	10/25/2021 9:51:25 PM	63500
Surr: 4-Bromofluorobenzene	87.5	70-130		%Rec	5	10/25/2021 9:51:25 PM	63500

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

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

## Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

CLIENT: GHD Midland

Client Sample ID: TP13-10

Project: Gissler AV Battery

Collection Date: 10/20/2021 1:00:00 PM

Lab ID: 2110A69-006

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1600	60		mg/Kg	20	10/27/2021 8:59:19 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	390	50		mg/Kg	5	10/27/2021 6:02:33 PM	63522
Motor Oil Range Organics (MRO)	900	250		mg/Kg	5	10/27/2021 6:02:33 PM	63522
Surr: DNOP	107	70-130		%Rec	5	10/27/2021 6:02:33 PM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/25/2021 11:01:18 PM	63500
Surr: BFB	101	70-130		%Rec	1	10/25/2021 11:01:18 PM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	10/25/2021 11:01:18 PM	63500
Toluene	ND	0.050		mg/Kg	1	10/25/2021 11:01:18 PM	63500
Ethylbenzene	ND	0.050		mg/Kg	1	10/25/2021 11:01:18 PM	63500
Xylenes, Total	ND	0.099		mg/Kg	1	10/25/2021 11:01:18 PM	63500
Surr: 4-Bromofluorobenzene	83.4	70-130		%Rec	1	10/25/2021 11:01:18 PM	63500

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

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

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP13-15

Project: Gissler AV Battery

Collection Date: 10/20/2021 1:10:00 PM

Lab ID: 2110A69-007

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	2600	150		mg/Kg	50	10/28/2021 3:36:07 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	96	9.8		mg/Kg	1	10/27/2021 4:27:05 PM	63522
Motor Oil Range Organics (MRO)	170	49		mg/Kg	1	10/27/2021 4:27:05 PM	63522
Surr: DNOP	106	70-130		%Rec	1	10/27/2021 4:27:05 PM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/25/2021 11:24:39 PM	63500
Surr: BFB	99.6	70-130		%Rec	1	10/25/2021 11:24:39 PM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	10/25/2021 11:24:39 PM	63500
Toluene	ND	0.049		mg/Kg	1	10/25/2021 11:24:39 PM	63500
Ethylbenzene	ND	0.049		mg/Kg	1	10/25/2021 11:24:39 PM	63500
Xylenes, Total	ND	0.099		mg/Kg	1	10/25/2021 11:24:39 PM	63500
Surr: 4-Bromofluorobenzene	83.2	70-130		%Rec	1	10/25/2021 11:24:39 PM	63500

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

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

Page 7 of 25

**Hall Environmental Analysis Laboratory, Inc.****Analytical Report**Lab Order **2110A69**Date Reported: **10/29/2021****CLIENT:** GHD Midland**Client Sample ID:** TP13-18**Project:** Gissler AV Battery**Collection Date:** 10/20/2021 1:20:00 PM**Lab ID:** 2110A69-008**Matrix:** SOIL**Received Date:** 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	2700	150		mg/Kg	50	10/28/2021 3:48:31 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	22	9.5		mg/Kg	1	10/27/2021 4:50:57 PM	63522
Motor Oil Range Organics (MRO)	61	47		mg/Kg	1	10/27/2021 4:50:57 PM	63522
Surr: DNOP	111	70-130		%Rec	1	10/27/2021 4:50:57 PM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/25/2021 11:47:58 PM	63500
Surr: BFB	103	70-130		%Rec	1	10/25/2021 11:47:58 PM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	10/25/2021 11:47:58 PM	63500
Toluene	ND	0.048		mg/Kg	1	10/25/2021 11:47:58 PM	63500
Ethylbenzene	ND	0.048		mg/Kg	1	10/25/2021 11:47:58 PM	63500
Xylenes, Total	ND	0.096		mg/Kg	1	10/25/2021 11:47:58 PM	63500
Surr: 4-Bromofluorobenzene	85.9	70-130		%Rec	1	10/25/2021 11:47:58 PM	63500

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

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

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP13-20

Project: Gissler AV Battery

Collection Date: 10/20/2021 1:30:00 PM

Lab ID: 2110A69-009

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	2400	150		mg/Kg	50	10/28/2021 4:00:55 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/26/2021 2:22:20 AM	63522
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 2:22:20 AM	63522
Surr: DNOP	94.5	70-130		%Rec	1	10/26/2021 2:22:20 AM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/26/2021 12:11:18 AM	63500
Surr: BFB	105	70-130		%Rec	1	10/26/2021 12:11:18 AM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	10/26/2021 12:11:18 AM	63500
Toluene	ND	0.048		mg/Kg	1	10/26/2021 12:11:18 AM	63500
Ethylbenzene	ND	0.048		mg/Kg	1	10/26/2021 12:11:18 AM	63500
Xylenes, Total	ND	0.097		mg/Kg	1	10/26/2021 12:11:18 AM	63500
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	10/26/2021 12:11:18 AM	63500

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

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

**Hall Environmental Analysis Laboratory, Inc.****Analytical Report**Lab Order **2110A69**Date Reported: **10/29/2021****CLIENT:** GHD Midland**Client Sample ID:** TP14-S**Project:** Gissler AV Battery**Collection Date:** 10/20/2021 2:15:00 PM**Lab ID:** 2110A69-010**Matrix:** SOIL**Received Date:** 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/27/2021 10:13:30 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/26/2021 2:33:15 AM	63522
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/26/2021 2:33:15 AM	63522
Surr: DNOP	103	70-130		%Rec	1	10/26/2021 2:33:15 AM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/26/2021 12:34:52 AM	63500
Surr: BFB	101	70-130		%Rec	1	10/26/2021 12:34:52 AM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	10/26/2021 12:34:52 AM	63500
Toluene	ND	0.050		mg/Kg	1	10/26/2021 12:34:52 AM	63500
Ethylbenzene	ND	0.050		mg/Kg	1	10/26/2021 12:34:52 AM	63500
Xylenes, Total	ND	0.10		mg/Kg	1	10/26/2021 12:34:52 AM	63500
Surr: 4-Bromofluorobenzene	84.2	70-130		%Rec	1	10/26/2021 12:34:52 AM	63500

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

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

## Hall Environmental Analysis Laboratory, Inc.

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

CLIENT: GHD Midland

Client Sample ID: TP14-2

Project: Gissler AV Battery

Collection Date: 10/20/2021 2:20:00 PM

Lab ID: 2110A69-011

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/27/2021 10:25:50 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/26/2021 2:44:07 AM	63522
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/26/2021 2:44:07 AM	63522
Surr: DNOP	82.1	70-130		%Rec	1	10/26/2021 2:44:07 AM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/26/2021 12:58:21 AM	63500
Surr: BFB	103	70-130		%Rec	1	10/26/2021 12:58:21 AM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	10/26/2021 12:58:21 AM	63500
Toluene	ND	0.049		mg/Kg	1	10/26/2021 12:58:21 AM	63500
Ethylbenzene	ND	0.049		mg/Kg	1	10/26/2021 12:58:21 AM	63500
Xylenes, Total	ND	0.099		mg/Kg	1	10/26/2021 12:58:21 AM	63500
Surr: 4-Bromofluorobenzene	85.6	70-130		%Rec	1	10/26/2021 12:58:21 AM	63500

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

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

## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP15-2

Project: Gissler AV Battery

Collection Date: 10/20/2021 2:30:00 PM

Lab ID: 2110A69-012

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1600	60		mg/Kg	20	10/27/2021 10:38:11 PM	63619
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	4600	480		mg/Kg	50	10/26/2021 2:54:58 AM	63522
Motor Oil Range Organics (MRO)	4500	2400		mg/Kg	50	10/26/2021 2:54:58 AM	63522
Surr: DNOP	0	70-130	S	%Rec	50	10/26/2021 2:54:58 AM	63522
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	10/26/2021 1:21:53 AM	63500
Surr: BFB	95.7	70-130		%Rec	5	10/26/2021 1:21:53 AM	63500
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	10/26/2021 1:21:53 AM	63500
Toluene	ND	0.25		mg/Kg	5	10/26/2021 1:21:53 AM	63500
Ethylbenzene	ND	0.25		mg/Kg	5	10/26/2021 1:21:53 AM	63500
Xylenes, Total	ND	0.50		mg/Kg	5	10/26/2021 1:21:53 AM	63500
Surr: 4-Bromofluorobenzene	78.6	70-130		%Rec	5	10/26/2021 1:21:53 AM	63500

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

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

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## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP15-6

Project: Gissler AV Battery

Collection Date: 10/20/2021 2:40:00 PM

Lab ID: 2110A69-013

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1000	60		mg/Kg	20	10/27/2021 6:13:37 PM	63622
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 7:06:15 AM	63551
Surr: BFB	91.4	70-130		%Rec	1	10/28/2021 7:06:15 AM	63551
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/27/2021 9:02:29 PM	63557
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/27/2021 9:02:29 PM	63557
Surr: DNOP	98.5	70-130		%Rec	1	10/27/2021 9:02:29 PM	63557
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/28/2021 7:06:15 AM	63551
Toluene	ND	0.047		mg/Kg	1	10/28/2021 7:06:15 AM	63551
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 7:06:15 AM	63551
Xylenes, Total	ND	0.095		mg/Kg	1	10/28/2021 7:06:15 AM	63551
Surr: 1,2-Dichloroethane-d4	99.5	70-130		%Rec	1	10/28/2021 7:06:15 AM	63551
Surr: 4-Bromofluorobenzene	92.9	70-130		%Rec	1	10/28/2021 7:06:15 AM	63551
Surr: Dibromofluoromethane	103	70-130		%Rec	1	10/28/2021 7:06:15 AM	63551
Surr: Toluene-d8	105	70-130		%Rec	1	10/28/2021 7:06:15 AM	63551

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

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

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## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP15-10

Project: Gissler AV Battery

Collection Date: 10/20/2021 2:45:00 PM

Lab ID: 2110A69-014

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1600	60		mg/Kg	20	10/27/2021 6:50:49 PM	63622
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/28/2021 7:33:02 AM	63551
Surr: BFB	95.0	70-130		%Rec	1	10/28/2021 7:33:02 AM	63551
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/27/2021 9:34:27 PM	63557
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/27/2021 9:34:27 PM	63557
Surr: DNOP	94.1	70-130		%Rec	1	10/27/2021 9:34:27 PM	63557
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: RAA
Benzene	ND	0.025		mg/Kg	1	10/28/2021 7:33:02 AM	63551
Toluene	ND	0.049		mg/Kg	1	10/28/2021 7:33:02 AM	63551
Ethylbenzene	ND	0.049		mg/Kg	1	10/28/2021 7:33:02 AM	63551
Xylenes, Total	ND	0.099		mg/Kg	1	10/28/2021 7:33:02 AM	63551
Surr: 1,2-Dichloroethane-d4	96.1	70-130		%Rec	1	10/28/2021 7:33:02 AM	63551
Surr: 4-Bromofluorobenzene	96.2	70-130		%Rec	1	10/28/2021 7:33:02 AM	63551
Surr: Dibromofluoromethane	101	70-130		%Rec	1	10/28/2021 7:33:02 AM	63551
Surr: Toluene-d8	105	70-130		%Rec	1	10/28/2021 7:33:02 AM	63551

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

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

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## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP15-14

Project: Gissler AV Battery

Collection Date: 10/20/2021 2:50:00 PM

Lab ID: 2110A69-015

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	990	59		mg/Kg	20	10/27/2021 7:03:13 PM	63622
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	10/28/2021 8:00:06 AM	63551
Surr: BFB	91.5	70-130		%Rec	1	10/28/2021 8:00:06 AM	63551
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/27/2021 9:45:09 PM	63557
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/27/2021 9:45:09 PM	63557
Surr: DNOP	89.9	70-130		%Rec	1	10/27/2021 9:45:09 PM	63557
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	10/28/2021 8:00:06 AM	63551
Toluene	ND	0.046		mg/Kg	1	10/28/2021 8:00:06 AM	63551
Ethylbenzene	ND	0.046		mg/Kg	1	10/28/2021 8:00:06 AM	63551
Xylenes, Total	ND	0.092		mg/Kg	1	10/28/2021 8:00:06 AM	63551
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	10/28/2021 8:00:06 AM	63551
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	10/28/2021 8:00:06 AM	63551
Surr: Dibromofluoromethane	103	70-130		%Rec	1	10/28/2021 8:00:06 AM	63551
Surr: Toluene-d8	104	70-130		%Rec	1	10/28/2021 8:00:06 AM	63551

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

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

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## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP15-16

Project: Gissler AV Battery

Collection Date: 10/20/2021 3:00:00 PM

Lab ID: 2110A69-016

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	440	60		mg/Kg	20	10/27/2021 7:40:26 PM	63622
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 8:27:11 AM	63551
Surr: BFB	89.5	70-130		%Rec	1	10/28/2021 8:27:11 AM	63551
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/27/2021 9:55:51 PM	63557
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/27/2021 9:55:51 PM	63557
Surr: DNOP	134	70-130	S	%Rec	1	10/27/2021 9:55:51 PM	63557
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: RAA
Benzene	ND	0.023		mg/Kg	1	10/28/2021 8:27:11 AM	63551
Toluene	ND	0.047		mg/Kg	1	10/28/2021 8:27:11 AM	63551
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 8:27:11 AM	63551
Xylenes, Total	ND	0.093		mg/Kg	1	10/28/2021 8:27:11 AM	63551
Surr: 1,2-Dichloroethane-d4	98.1	70-130		%Rec	1	10/28/2021 8:27:11 AM	63551
Surr: 4-Bromofluorobenzene	91.7	70-130		%Rec	1	10/28/2021 8:27:11 AM	63551
Surr: Dibromofluoromethane	105	70-130		%Rec	1	10/28/2021 8:27:11 AM	63551
Surr: Toluene-d8	103	70-130		%Rec	1	10/28/2021 8:27:11 AM	63551

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

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

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

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**Hall Environmental Analysis Laboratory, Inc.****Analytical Report**Lab Order **2110A69**Date Reported: **10/29/2021****CLIENT:** GHD Midland**Client Sample ID:** TP16-S**Project:** Gissler AV Battery**Collection Date:** 10/20/2021 3:45:00 PM**Lab ID:** 2110A69-017**Matrix:** SOIL**Received Date:** 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/27/2021 7:52:50 PM	63622
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: <b>RAA</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/28/2021 8:54:19 AM	63551
Surr: BFB	90.9	70-130		%Rec	1	10/28/2021 8:54:19 AM	63551
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/27/2021 10:06:34 PM	63557
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/27/2021 10:06:34 PM	63557
Surr: DNOP	119	70-130		%Rec	1	10/27/2021 10:06:34 PM	63557
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: <b>RAA</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 8:54:19 AM	63551
Toluene	ND	0.048		mg/Kg	1	10/28/2021 8:54:19 AM	63551
Ethylbenzene	ND	0.048		mg/Kg	1	10/28/2021 8:54:19 AM	63551
Xylenes, Total	ND	0.096		mg/Kg	1	10/28/2021 8:54:19 AM	63551
Surr: 1,2-Dichloroethane-d4	93.6	70-130		%Rec	1	10/28/2021 8:54:19 AM	63551
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	1	10/28/2021 8:54:19 AM	63551
Surr: Dibromofluoromethane	101	70-130		%Rec	1	10/28/2021 8:54:19 AM	63551
Surr: Toluene-d8	103	70-130		%Rec	1	10/28/2021 8:54:19 AM	63551

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

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

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

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## Analytical Report

Lab Order 2110A69

Date Reported: 10/29/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP16-2

Project: Gissler AV Battery

Collection Date: 10/20/2021 3:55:00 PM

Lab ID: 2110A69-018

Matrix: SOIL

Received Date: 10/22/2021 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	59		mg/Kg	20	10/27/2021 8:05:15 PM	63622
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: RAA
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/28/2021 9:21:27 AM	63551
Surr: BFB	88.5	70-130		%Rec	1	10/28/2021 9:21:27 AM	63551
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/27/2021 10:17:18 PM	63557
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/27/2021 10:17:18 PM	63557
Surr: DNOP	102	70-130		%Rec	1	10/27/2021 10:17:18 PM	63557
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: RAA
Benzene	ND	0.024		mg/Kg	1	10/28/2021 9:21:27 AM	63551
Toluene	ND	0.048		mg/Kg	1	10/28/2021 9:21:27 AM	63551
Ethylbenzene	ND	0.048		mg/Kg	1	10/28/2021 9:21:27 AM	63551
Xylenes, Total	ND	0.096		mg/Kg	1	10/28/2021 9:21:27 AM	63551
Surr: 1,2-Dichloroethane-d4	97.1	70-130		%Rec	1	10/28/2021 9:21:27 AM	63551
Surr: 4-Bromofluorobenzene	92.4	70-130		%Rec	1	10/28/2021 9:21:27 AM	63551
Surr: Dibromofluoromethane	97.7	70-130		%Rec	1	10/28/2021 9:21:27 AM	63551
Surr: Toluene-d8	103	70-130		%Rec	1	10/28/2021 9:21:27 AM	63551

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

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

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

WO#: 2110A69

29-Oct-21

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-63619</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63619</b>	RunNo: <b>82410</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/27/2021</b>	SeqNo: <b>2923625</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63619</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63619</b>	RunNo: <b>82410</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/27/2021</b>	SeqNo: <b>2923626</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.1	90	110			

Sample ID: <b>MB-63622</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63622</b>	RunNo: <b>82406</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/27/2021</b>	SeqNo: <b>2923974</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63622</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63622</b>	RunNo: <b>82406</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/27/2021</b>	SeqNo: <b>2923975</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.8	90	110			

**Qualifiers:**

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

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

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

WO#: 2110A69

29-Oct-21

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>LCS-63522</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>63522</b>		RunNo: <b>82295</b>							
Prep Date: <b>10/25/2021</b>	Analysis Date: <b>10/25/2021</b>		SeqNo: <b>2919926</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.5	68.9	135			
Surr: DNOP	3.9		5.000		77.9	70	130			

Sample ID: <b>MB-63522</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>63522</b>		RunNo: <b>82295</b>							
Prep Date: <b>10/25/2021</b>	Analysis Date: <b>10/25/2021</b>		SeqNo: <b>2919936</b>		Units: <b>mg/Kg</b>					
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		77.5	70	130			

Sample ID: <b>LCS-63557</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>63557</b>		RunNo: <b>82349</b>							
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/27/2021</b>		SeqNo: <b>2922031</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	68.9	135			
Surr: DNOP	4.3		5.000		86.5	70	130			

Sample ID: <b>MB-63557</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>63557</b>		RunNo: <b>82349</b>							
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/27/2021</b>		SeqNo: <b>2922032</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		113	70	130			

Sample ID: <b>2110A69-013AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>TP15-6</b>	Batch ID: <b>63557</b>		RunNo: <b>82349</b>							
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/27/2021</b>		SeqNo: <b>2923746</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	56	9.9	49.26	0	113	39.3	155			
Surr: DNOP	5.7		4.926		117	70	130			

**Qualifiers:**

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

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

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

WO#: 2110A69

29-Oct-21

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>2110A69-013AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>TP15-6</b>	Batch ID: <b>63557</b>	RunNo: <b>82349</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/27/2021</b>	SeqNo: <b>2923747</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	61	9.6	48.03	0	127	39.3	155	9.17	23.4	
Surr: DNOP	6.9		4.803		143	70	130	0	0	S

Sample ID: <b>MB-63573</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63573</b>	RunNo: <b>82349</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2923815</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	13		10.00		126	70	130			

**Qualifiers:**

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

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

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

WO#: 2110A69

29-Oct-21

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-63500</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63500</b>	RunNo: <b>82332</b>								
Prep Date: <b>10/22/2021</b>	Analysis Date: <b>10/25/2021</b>	SeqNo: <b>2919430</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: <b>lcs-63500</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63500</b>	RunNo: <b>82332</b>								
Prep Date: <b>10/22/2021</b>	Analysis Date: <b>10/25/2021</b>	SeqNo: <b>2919431</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	78.6	131			
Surr: BFB	1100		1000		112	70	130			

**Qualifiers:**

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

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

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

WO#: 2110A69

29-Oct-21

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-63500</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63500</b>	RunNo: <b>82332</b>								
Prep Date: <b>10/22/2021</b>	Analysis Date: <b>10/25/2021</b>	SeqNo: <b>2919475</b> Units: <b>mg/Kg</b>								
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	0.87		1.000		87.0	70	130			

Sample ID: <b>LCS-63500</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63500</b>	RunNo: <b>82332</b>								
Prep Date: <b>10/22/2021</b>	Analysis Date: <b>10/25/2021</b>	SeqNo: <b>2919476</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	103	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	99.0	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.5	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 Quantitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix	

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

WO#: 2110A69

29-Oct-21

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-63551</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63551</b>	RunNo: <b>82380</b>								
Prep Date: <b>10/25/2021</b>	Analysis Date: <b>10/27/2021</b>	SeqNo: <b>2922403</b>	Units: <b>mg/Kg</b>							
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	0.47		0.5000		94.7	70	130			
Surr: 4-Bromofluorobenzene	0.49		0.5000		97.5	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		101	70	130			
Surr: Toluene-d8	0.53		0.5000		107	70	130			

Sample ID: <b>lcs-63551</b>	SampType: <b>LCS4</b>	TestCode: <b>EPA Method 8260B: Volatiles Short List</b>								
Client ID: <b>BatchQC</b>	Batch ID: <b>63551</b>	RunNo: <b>82396</b>								
Prep Date: <b>10/25/2021</b>	Analysis Date: <b>10/27/2021</b>	SeqNo: <b>2924153</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.94	0.050	1.000	0	94.4	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.1	80	120			
Xylenes, Total	2.7	0.10	3.000	0	89.5	80	120			
Surr: 1,2-Dichloroethane-d4	0.49		0.5000		98.9	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		96.9	70	130			
Surr: Dibromofluoromethane	0.51		0.5000		102	70	130			
Surr: Toluene-d8	0.53		0.5000		106	70	130			

**Qualifiers:**

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110A69  
29-Oct-21

Client: GHD Midland  
Project: Gissler AV Battery

Sample ID: lcs-63551	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 63551	RunNo: 82380								
Prep Date: 10/25/2021	Analysis Date: 10/27/2021	SeqNo: 2922442		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	106	70	130			
Surr: BFB	500		500.0		101	70	130			

Sample ID: mb-63551	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 63551	RunNo: 82380								
Prep Date: 10/25/2021	Analysis Date: 10/27/2021	SeqNo: 2922445		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	480		500.0		96.9	70	130			

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix

B Analyte detected in the associated Method Blank

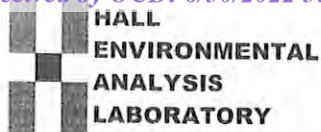
E Value above quantitation range

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2110A69

RcptNo: 1

Received By: Cheyenne Cason

10/22/2021 7:15:00 AM

*CC*

Completed By: Desiree Dominguez

10/22/2021 8:52:56 AM

*DD*Reviewed By: *JN 10/21/21*

### Chain of Custody

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

### Log In

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

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted?

Checked by: *JN 10-22-21*

### Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.3	Good				
2	0.4	Good				
3	1.9	Good				

## Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

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

Turn-Around Time:

☒ Standard ☐ Rush

Project Name:

Gissler AV Battery

Project #:

12563391

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp (including CP): See Results

Container Type and #

Preservative Type

HEAL No.

210A69

-001

-002

-003

-004

-005

-006

-007

-008

-009

-010

-011

-012

-013

-014

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## Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

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

Turn-Around Time:

☒ Standard ☐ Rush 5-day

Project Name:

Gissler AV Battery

Project #:

12563371

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 3

Cooler Temp (including CF): See 1st page

Container

Type and #

Preservative

Type

HEAL No.

2110A69

-013

-014

-015

-016

-017

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

November 02, 2021

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

RE: Gisslev AV Battery

OrderNo.: 2110B21

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 27 sample(s) on 10/23/2021 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](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP17-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 7:40:00 AM

Lab ID: 2110B21-001

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	10/28/2021 12:54:52 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/28/2021 5:03:10 PM	63613
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/28/2021 5:03:10 PM	63613
Surr: DNOP	115	70-130		%Rec	1	10/28/2021 5:03:10 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/28/2021 2:31:00 PM	63569
Surr: BFB	96.0	70-130		%Rec	1	10/28/2021 2:31:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 2:31:00 PM	63569
Toluene	ND	0.048		mg/Kg	1	10/28/2021 2:31:00 PM	63569
Ethylbenzene	ND	0.048		mg/Kg	1	10/28/2021 2:31:00 PM	63569
Xylenes, Total	ND	0.097		mg/Kg	1	10/28/2021 2:31:00 PM	63569
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/28/2021 2:31:00 PM	63569

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

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

Page 1 of 33

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP17-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 7:45:00 AM

Lab ID: 2110B21-002

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	73	60		mg/Kg	20	10/28/2021 1:07:16 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/28/2021 5:14:04 PM	63613
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2021 5:14:04 PM	63613
Surr: DNOP	116	70-130		%Rec	1	10/28/2021 5:14:04 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/28/2021 2:50:00 PM	63569
Surr: BFB	98.5	70-130		%Rec	1	10/28/2021 2:50:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 2:50:00 PM	63569
Toluene	ND	0.048		mg/Kg	1	10/28/2021 2:50:00 PM	63569
Ethylbenzene	ND	0.048		mg/Kg	1	10/28/2021 2:50:00 PM	63569
Xylenes, Total	ND	0.096		mg/Kg	1	10/28/2021 2:50:00 PM	63569
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/28/2021 2:50:00 PM	63569

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

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

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## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP18-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 8:05:00 AM

Lab ID: 2110B21-003

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	3.0		mg/Kg	1	10/28/2021 1:19:40 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	14	9.4		mg/Kg	1	10/29/2021 11:23:53 AM	63613
Motor Oil Range Organics (MRO)	100	47		mg/Kg	1	10/29/2021 11:23:53 AM	63613
Surr: DNOP	101	70-130		%Rec	1	10/29/2021 11:23:53 AM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 3:10:00 PM	63569
Surr: BFB	96.5	70-130		%Rec	1	10/28/2021 3:10:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/28/2021 3:10:00 PM	63569
Toluene	ND	0.047		mg/Kg	1	10/28/2021 3:10:00 PM	63569
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 3:10:00 PM	63569
Xylenes, Total	ND	0.094		mg/Kg	1	10/28/2021 3:10:00 PM	63569
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	10/28/2021 3:10:00 PM	63569

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

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

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## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP18-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 8:10:00 AM

Lab ID: 2110B21-004

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	10/28/2021 1:32:05 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/28/2021 5:35:50 PM	63613
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/28/2021 5:35:50 PM	63613
Surr: DNOP	115	70-130		%Rec	1	10/28/2021 5:35:50 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/28/2021 3:30:00 PM	63569
Surr: BFB	95.0	70-130		%Rec	1	10/28/2021 3:30:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 3:30:00 PM	63569
Toluene	ND	0.048		mg/Kg	1	10/28/2021 3:30:00 PM	63569
Ethylbenzene	ND	0.048		mg/Kg	1	10/28/2021 3:30:00 PM	63569
Xylenes, Total	ND	0.096		mg/Kg	1	10/28/2021 3:30:00 PM	63569
Surr: 4-Bromofluorobenzene	96.7	70-130		%Rec	1	10/28/2021 3:30:00 PM	63569

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

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

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## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP19-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 8:20:00 AM

Lab ID: 2110B21-005

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	560	60		mg/Kg	20	10/28/2021 1:44:29 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	10/28/2021 5:46:42 PM	63613
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/28/2021 5:46:42 PM	63613
Surr: DNOP	90.6	70-130		%Rec	1	10/28/2021 5:46:42 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 3:49:00 PM	63569
Surr: BFB	100	70-130		%Rec	1	10/28/2021 3:49:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/28/2021 3:49:00 PM	63569
Toluene	ND	0.047		mg/Kg	1	10/28/2021 3:49:00 PM	63569
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 3:49:00 PM	63569
Xylenes, Total	ND	0.093		mg/Kg	1	10/28/2021 3:49:00 PM	63569
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/28/2021 3:49:00 PM	63569

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

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

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## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP19-4

Project: Gisslev AV Battery

Collection Date: 10/21/2021 8:25:00 AM

Lab ID: 2110B21-006

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	62	60		mg/Kg	20	10/28/2021 2:21:42 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/28/2021 5:57:36 PM	63613
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2021 5:57:36 PM	63613
Surr: DNOP	120	70-130		%Rec	1	10/28/2021 5:57:36 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/28/2021 4:09:00 PM	63569
Surr: BFB	98.2	70-130		%Rec	1	10/28/2021 4:09:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 4:09:00 PM	63569
Toluene	ND	0.048		mg/Kg	1	10/28/2021 4:09:00 PM	63569
Ethylbenzene	ND	0.048		mg/Kg	1	10/28/2021 4:09:00 PM	63569
Xylenes, Total	ND	0.097		mg/Kg	1	10/28/2021 4:09:00 PM	63569
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/28/2021 4:09:00 PM	63569

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

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

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## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP20-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 8:40:00 AM

Lab ID: 2110B21-007

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	10/28/2021 2:34:06 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/28/2021 6:08:27 PM	63613
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2021 6:08:27 PM	63613
Surr: DNOP	103	70-130		%Rec	1	10/28/2021 6:08:27 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 4:28:00 PM	63569
Surr: BFB	97.4	70-130		%Rec	1	10/28/2021 4:28:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/28/2021 4:28:00 PM	63569
Toluene	ND	0.047		mg/Kg	1	10/28/2021 4:28:00 PM	63569
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 4:28:00 PM	63569
Xylenes, Total	ND	0.094		mg/Kg	1	10/28/2021 4:28:00 PM	63569
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/28/2021 4:28:00 PM	63569

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

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

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## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP20-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 8:45:00 AM

Lab ID: 2110B21-008

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	120	60		mg/Kg	20	10/28/2021 2:46:30 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/28/2021 6:19:19 PM	63613
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/28/2021 6:19:19 PM	63613
Surr: DNOP	111	70-130		%Rec	1	10/28/2021 6:19:19 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/28/2021 4:48:00 PM	63569
Surr: BFB	101	70-130		%Rec	1	10/28/2021 4:48:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/28/2021 4:48:00 PM	63569
Toluene	ND	0.049		mg/Kg	1	10/28/2021 4:48:00 PM	63569
Ethylbenzene	ND	0.049		mg/Kg	1	10/28/2021 4:48:00 PM	63569
Xylenes, Total	ND	0.099		mg/Kg	1	10/28/2021 4:48:00 PM	63569
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	10/28/2021 4:48:00 PM	63569

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

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

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## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP21-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 8:55:00 AM

Lab ID: 2110B21-009

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	10/28/2021 2:58:54 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/29/2021 11:45:09 AM	63613
Motor Oil Range Organics (MRO)	75	47		mg/Kg	1	10/29/2021 11:45:09 AM	63613
Surr: DNOP	111	70-130		%Rec	1	10/29/2021 11:45:09 AM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 5:08:00 PM	63569
Surr: BFB	100	70-130		%Rec	1	10/28/2021 5:08:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/28/2021 5:08:00 PM	63569
Toluene	ND	0.047		mg/Kg	1	10/28/2021 5:08:00 PM	63569
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 5:08:00 PM	63569
Xylenes, Total	ND	0.093		mg/Kg	1	10/28/2021 5:08:00 PM	63569
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/28/2021 5:08:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP21-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 9:00:00 AM

Lab ID: 2110B21-010

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	77	60		mg/Kg	20	10/28/2021 3:11:19 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	10/28/2021 6:41:04 PM	63613
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/28/2021 6:41:04 PM	63613
Surr: DNOP	118	70-130		%Rec	1	10/28/2021 6:41:04 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 5:27:00 PM	63569
Surr: BFB	95.8	70-130		%Rec	1	10/28/2021 5:27:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 5:27:00 PM	63569
Toluene	ND	0.047		mg/Kg	1	10/28/2021 5:27:00 PM	63569
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 5:27:00 PM	63569
Xylenes, Total	ND	0.095		mg/Kg	1	10/28/2021 5:27:00 PM	63569
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	10/28/2021 5:27:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP22-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 9:10:00 AM

Lab ID: 2110B21-011

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	860	60		mg/Kg	20	10/28/2021 3:23:43 PM	63626
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/28/2021 6:51:57 PM	63613
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/28/2021 6:51:57 PM	63613
Surr: DNOP	118	70-130		%Rec	1	10/28/2021 6:51:57 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/28/2021 6:26:00 PM	63569
Surr: BFB	97.8	70-130		%Rec	1	10/28/2021 6:26:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 6:26:00 PM	63569
Toluene	ND	0.049		mg/Kg	1	10/28/2021 6:26:00 PM	63569
Ethylbenzene	ND	0.049		mg/Kg	1	10/28/2021 6:26:00 PM	63569
Xylenes, Total	ND	0.097		mg/Kg	1	10/28/2021 6:26:00 PM	63569
Surr: 4-Bromofluorobenzene	99.3	70-130		%Rec	1	10/28/2021 6:26:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP22-4

Project: Gisslev AV Battery

Collection Date: 10/21/2021 9:20:00 AM

Lab ID: 2110B21-012

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	430	60		mg/Kg	20	10/29/2021 12:55:56 AM	63641
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/28/2021 7:02:49 PM	63613
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/28/2021 7:02:49 PM	63613
Surr: DNOP	108	70-130		%Rec	1	10/28/2021 7:02:49 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/28/2021 6:45:00 PM	63569
Surr: BFB	99.2	70-130		%Rec	1	10/28/2021 6:45:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 6:45:00 PM	63569
Toluene	ND	0.048		mg/Kg	1	10/28/2021 6:45:00 PM	63569
Ethylbenzene	ND	0.048		mg/Kg	1	10/28/2021 6:45:00 PM	63569
Xylenes, Total	ND	0.095		mg/Kg	1	10/28/2021 6:45:00 PM	63569
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	1	10/28/2021 6:45:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP22-6

Project: Gisslev AV Battery

Collection Date: 10/21/2021 9:30:00 AM

Lab ID: 2110B21-013

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	210	59		mg/Kg	20	10/29/2021 1:08:21 AM	63641
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/28/2021 7:13:43 PM	63613
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2021 7:13:43 PM	63613
Surr: DNOP	109	70-130		%Rec	1	10/28/2021 7:13:43 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/28/2021 7:05:00 PM	63569
Surr: BFB	101	70-130		%Rec	1	10/28/2021 7:05:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 7:05:00 PM	63569
Toluene	ND	0.048		mg/Kg	1	10/28/2021 7:05:00 PM	63569
Ethylbenzene	ND	0.048		mg/Kg	1	10/28/2021 7:05:00 PM	63569
Xylenes, Total	ND	0.095		mg/Kg	1	10/28/2021 7:05:00 PM	63569
Surr: 4-Bromofluorobenzene	98.8	70-130		%Rec	1	10/28/2021 7:05:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP23-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 9:45:00 AM

Lab ID: 2110B21-014

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/29/2021 1:20:46 AM	63641
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/28/2021 7:24:43 PM	63613
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2021 7:24:43 PM	63613
Surr: DNOP	119	70-130		%Rec	1	10/28/2021 7:24:43 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	10/28/2021 7:24:00 PM	63569
Surr: BFB	98.0	70-130		%Rec	1	10/28/2021 7:24:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	10/28/2021 7:24:00 PM	63569
Toluene	ND	0.050		mg/Kg	1	10/28/2021 7:24:00 PM	63569
Ethylbenzene	ND	0.050		mg/Kg	1	10/28/2021 7:24:00 PM	63569
Xylenes, Total	ND	0.10		mg/Kg	1	10/28/2021 7:24:00 PM	63569
Surr: 4-Bromofluorobenzene	105	70-130		%Rec	1	10/28/2021 7:24:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP23-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 9:50:00 AM

Lab ID: 2110B21-015

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>MRA</b>
Chloride	ND	60		mg/Kg	20	10/29/2021 1:33:11 AM	63641
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/28/2021 7:35:40 PM	63613
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/28/2021 7:35:40 PM	63613
Surr: DNOP	126	70-130		%Rec	1	10/28/2021 7:35:40 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/28/2021 7:44:00 PM	63569
Surr: BFB	99.5	70-130		%Rec	1	10/28/2021 7:44:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/28/2021 7:44:00 PM	63569
Toluene	ND	0.048		mg/Kg	1	10/28/2021 7:44:00 PM	63569
Ethylbenzene	ND	0.048		mg/Kg	1	10/28/2021 7:44:00 PM	63569
Xylenes, Total	ND	0.095		mg/Kg	1	10/28/2021 7:44:00 PM	63569
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/28/2021 7:44:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP24-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 10:05:00 AM

Lab ID: 2110B21-016

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/29/2021 10:27:26 AM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/28/2021 7:46:37 PM	63613
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/28/2021 7:46:37 PM	63613
Surr: DNOP	76.0	70-130		%Rec	1	10/28/2021 7:46:37 PM	63613
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 8:04:00 PM	63569
Surr: BFB	96.1	70-130		%Rec	1	10/28/2021 8:04:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/28/2021 8:04:00 PM	63569
Toluene	ND	0.047		mg/Kg	1	10/28/2021 8:04:00 PM	63569
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 8:04:00 PM	63569
Xylenes, Total	ND	0.093		mg/Kg	1	10/28/2021 8:04:00 PM	63569
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	1	10/28/2021 8:04:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP24-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 10:10:00 AM

Lab ID: 2110B21-017

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	260	60		mg/Kg	20	10/29/2021 10:39:51 AM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/29/2021 2:59:50 PM	63614
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	10/29/2021 2:59:50 PM	63614
Surr: DNOP	140	70-130	S	%Rec	1	10/29/2021 2:59:50 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 8:23:00 PM	63569
Surr: BFB	94.8	70-130		%Rec	1	10/28/2021 8:23:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/28/2021 8:23:00 PM	63569
Toluene	ND	0.047		mg/Kg	1	10/28/2021 8:23:00 PM	63569
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 8:23:00 PM	63569
Xylenes, Total	ND	0.093		mg/Kg	1	10/28/2021 8:23:00 PM	63569
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/28/2021 8:23:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP25-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 10:40:00 AM

Lab ID: 2110B21-018

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/29/2021 10:52:15 AM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.0		mg/Kg	1	10/29/2021 3:10:41 PM	63614
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	10/29/2021 3:10:41 PM	63614
Surr: DNOP	98.1	70-130		%Rec	1	10/29/2021 3:10:41 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/28/2021 8:43:00 PM	63569
Surr: BFB	102	70-130		%Rec	1	10/28/2021 8:43:00 PM	63569
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/28/2021 8:43:00 PM	63569
Toluene	ND	0.047		mg/Kg	1	10/28/2021 8:43:00 PM	63569
Ethylbenzene	ND	0.047		mg/Kg	1	10/28/2021 8:43:00 PM	63569
Xylenes, Total	ND	0.094		mg/Kg	1	10/28/2021 8:43:00 PM	63569
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	10/28/2021 8:43:00 PM	63569

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP25-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 10:45:00 AM

Lab ID: 2110B21-019

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	140	61		mg/Kg	20	10/29/2021 11:04:40 AM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/29/2021 3:21:32 PM	63614
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2021 3:21:32 PM	63614
Surr: DNOP	111	70-130		%Rec	1	10/29/2021 3:21:32 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2021 2:16:00 AM	63577
Surr: BFB	97.5	70-130		%Rec	1	10/29/2021 2:16:00 AM	63577
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/29/2021 2:16:00 AM	63577
Toluene	ND	0.049		mg/Kg	1	10/29/2021 2:16:00 AM	63577
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2021 2:16:00 AM	63577
Xylenes, Total	ND	0.098		mg/Kg	1	10/29/2021 2:16:00 AM	63577
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	10/29/2021 2:16:00 AM	63577

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP26-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 12:45:00 PM

Lab ID: 2110B21-020

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/29/2021 11:17:05 AM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/29/2021 3:32:22 PM	63614
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/29/2021 3:32:22 PM	63614
Surr: DNOP	116	70-130		%Rec	1	10/29/2021 3:32:22 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/29/2021 2:35:00 AM	63577
Surr: BFB	95.3	70-130		%Rec	1	10/29/2021 2:35:00 AM	63577
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.023		mg/Kg	1	10/29/2021 2:35:00 AM	63577
Toluene	ND	0.047		mg/Kg	1	10/29/2021 2:35:00 AM	63577
Ethylbenzene	ND	0.047		mg/Kg	1	10/29/2021 2:35:00 AM	63577
Xylenes, Total	ND	0.093		mg/Kg	1	10/29/2021 2:35:00 AM	63577
Surr: 4-Bromofluorobenzene	99.7	70-130		%Rec	1	10/29/2021 2:35:00 AM	63577

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP26-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 12:50:00 PM

Lab ID: 2110B21-021

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/29/2021 11:54:18 AM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	10/29/2021 3:43:12 PM	63614
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2021 3:43:12 PM	63614
Surr: DNOP	136	70-130	S	%Rec	1	10/29/2021 3:43:12 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2021 2:55:00 AM	63577
Surr: BFB	95.7	70-130		%Rec	1	10/29/2021 2:55:00 AM	63577
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/29/2021 2:55:00 AM	63577
Toluene	ND	0.049		mg/Kg	1	10/29/2021 2:55:00 AM	63577
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2021 2:55:00 AM	63577
Xylenes, Total	ND	0.097		mg/Kg	1	10/29/2021 2:55:00 AM	63577
Surr: 4-Bromofluorobenzene	98.7	70-130		%Rec	1	10/29/2021 2:55:00 AM	63577

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP27-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 1:05:00 PM

Lab ID: 2110B21-022

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	150	60		mg/Kg	20	10/29/2021 12:06:43 PM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	10/29/2021 3:54:03 PM	63614
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/29/2021 3:54:03 PM	63614
Surr: DNOP	119	70-130		%Rec	1	10/29/2021 3:54:03 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2021 3:14:00 AM	63577
Surr: BFB	90.8	70-130		%Rec	1	10/29/2021 3:14:00 AM	63577
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	10/29/2021 3:14:00 AM	63577
Toluene	ND	0.049		mg/Kg	1	10/29/2021 3:14:00 AM	63577
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2021 3:14:00 AM	63577
Xylenes, Total	ND	0.098		mg/Kg	1	10/29/2021 3:14:00 AM	63577
Surr: 4-Bromofluorobenzene	95.1	70-130		%Rec	1	10/29/2021 3:14:00 AM	63577

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP27-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 1:10:00 PM

Lab ID: 2110B21-023

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/29/2021 12:19:07 PM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/29/2021 4:04:55 PM	63614
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2021 4:04:55 PM	63614
Surr: DNOP	91.6	70-130		%Rec	1	10/29/2021 4:04:55 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/29/2021 3:33:00 AM	63577
Surr: BFB	94.2	70-130		%Rec	1	10/29/2021 3:33:00 AM	63577
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.024		mg/Kg	1	10/29/2021 3:33:00 AM	63577
Toluene	ND	0.047		mg/Kg	1	10/29/2021 3:33:00 AM	63577
Ethylbenzene	ND	0.047		mg/Kg	1	10/29/2021 3:33:00 AM	63577
Xylenes, Total	ND	0.094		mg/Kg	1	10/29/2021 3:33:00 AM	63577
Surr: 4-Bromofluorobenzene	97.6	70-130		%Rec	1	10/29/2021 3:33:00 AM	63577

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP28-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 1:25:00 PM

Lab ID: 2110B21-024

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/29/2021 12:31:32 PM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	10/29/2021 4:15:47 PM	63614
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	10/29/2021 4:15:47 PM	63614
Surr: DNOP	99.6	70-130		%Rec	1	10/29/2021 4:15:47 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2021 8:10:00 AM	63577
Surr: BFB	101	70-130		%Rec	1	10/29/2021 8:10:00 AM	63577
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/29/2021 8:10:00 AM	63577
Toluene	ND	0.049		mg/Kg	1	10/29/2021 8:10:00 AM	63577
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2021 8:10:00 AM	63577
Xylenes, Total	ND	0.097		mg/Kg	1	10/29/2021 8:10:00 AM	63577
Surr: 4-Bromofluorobenzene	102	70-130		%Rec	1	10/29/2021 8:10:00 AM	63577

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP28-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 1:30:00 PM

Lab ID: 2110B21-025

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	61		mg/Kg	20	10/29/2021 12:43:56 PM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	10/29/2021 4:26:42 PM	63614
Motor Oil Range Organics (MRO)	ND	51		mg/Kg	1	10/29/2021 4:26:42 PM	63614
Surr: DNOP	102	70-130		%Rec	1	10/29/2021 4:26:42 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	10/29/2021 8:30:00 AM	63577
Surr: BFB	103	70-130		%Rec	1	10/29/2021 8:30:00 AM	63577
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.025		mg/Kg	1	10/29/2021 8:30:00 AM	63577
Toluene	ND	0.049		mg/Kg	1	10/29/2021 8:30:00 AM	63577
Ethylbenzene	ND	0.049		mg/Kg	1	10/29/2021 8:30:00 AM	63577
Xylenes, Total	ND	0.098		mg/Kg	1	10/29/2021 8:30:00 AM	63577
Surr: 4-Bromofluorobenzene	108	70-130		%Rec	1	10/29/2021 8:30:00 AM	63577

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

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

## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP29-S

Project: Gisslev AV Battery

Collection Date: 10/21/2021 1:45:00 PM

Lab ID: 2110B21-026

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	10/29/2021 12:56:20 PM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	10/29/2021 4:37:37 PM	63614
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	10/29/2021 4:37:37 PM	63614
Surr: DNOP	106	70-130		%Rec	1	10/29/2021 4:37:37 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: CCM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	10/29/2021 8:49:00 AM	63577
Surr: BFB	102	70-130		%Rec	1	10/29/2021 8:49:00 AM	63577
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: CCM
Benzene	ND	0.024		mg/Kg	1	10/29/2021 8:49:00 AM	63577
Toluene	ND	0.048		mg/Kg	1	10/29/2021 8:49:00 AM	63577
Ethylbenzene	ND	0.048		mg/Kg	1	10/29/2021 8:49:00 AM	63577
Xylenes, Total	ND	0.097		mg/Kg	1	10/29/2021 8:49:00 AM	63577
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	1	10/29/2021 8:49:00 AM	63577

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

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

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## Analytical Report

Lab Order 2110B21

Date Reported: 11/2/2021

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: TP29-2

Project: Gisslev AV Battery

Collection Date: 10/21/2021 1:50:00 PM

Lab ID: 2110B21-027

Matrix: SOIL

Received Date: 10/23/2021 9:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	ND	60		mg/Kg	20	10/29/2021 1:08:45 PM	63648
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	10/29/2021 4:48:34 PM	63614
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	10/29/2021 4:48:34 PM	63614
Surr: DNOP	117	70-130		%Rec	1	10/29/2021 4:48:34 PM	63614
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>CCM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	10/29/2021 9:09:00 AM	63577
Surr: BFB	105	70-130		%Rec	1	10/29/2021 9:09:00 AM	63577
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>CCM</b>
Benzene	ND	0.023		mg/Kg	1	10/29/2021 9:09:00 AM	63577
Toluene	ND	0.047		mg/Kg	1	10/29/2021 9:09:00 AM	63577
Ethylbenzene	ND	0.047		mg/Kg	1	10/29/2021 9:09:00 AM	63577
Xylenes, Total	ND	0.094		mg/Kg	1	10/29/2021 9:09:00 AM	63577
Surr: 4-Bromofluorobenzene	107	70-130		%Rec	1	10/29/2021 9:09:00 AM	63577

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

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

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

WO#: 2110B21

02-Nov-21

**Client:** GHD Midland  
**Project:** Gisslev AV Battery

Sample ID: <b>MB-63641</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63641</b>	RunNo: <b>82423</b>								
Prep Date: <b>10/28/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2925088</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63641</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63641</b>	RunNo: <b>82423</b>								
Prep Date: <b>10/28/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2925089</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.8	90	110			

Sample ID: <b>MB-63626</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63626</b>	RunNo: <b>82438</b>								
Prep Date: <b>10/28/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2925244</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63626</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63626</b>	RunNo: <b>82438</b>								
Prep Date: <b>10/28/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2925245</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.2	90	110			

Sample ID: <b>MB-63648</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63648</b>	RunNo: <b>82473</b>								
Prep Date: <b>10/29/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926254</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-63648</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63648</b>	RunNo: <b>82473</b>								
Prep Date: <b>10/29/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926255</b>		Units: <b>mg/Kg</b>						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.5	90	110			

**Qualifiers:**

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

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

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

WO#: 2110B21

02-Nov-21

**Client:** GHD Midland  
**Project:** Gisslev AV Battery

Sample ID: <b>LCS-63613</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63613</b>	RunNo: <b>82434</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2924945</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	68.9	135			
Surr: DNOP	5.4		5.000		108	70	130			

Sample ID: <b>MB-63613</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63613</b>	RunNo: <b>82434</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2924947</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Sample ID: <b>2110B21-017AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>TP24-2</b>	Batch ID: <b>63614</b>	RunNo: <b>82441</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926577</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	49.75	0	116	39.3	155			
Surr: DNOP	5.8		4.975		118	70	130			

Sample ID: <b>2110B21-017AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>TP24-2</b>	Batch ID: <b>63614</b>	RunNo: <b>82441</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926578</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	9.6	47.98	0	121	39.3	155	0.944	23.4	
Surr: DNOP	5.7		4.798		118	70	130	0	0	

Sample ID: <b>LCS-63614</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63614</b>	RunNo: <b>82441</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926599</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	135			
Surr: DNOP	5.7		5.000		114	70	130			

**Qualifiers:**

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

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B21

02-Nov-21

**Client:** GHD Midland  
**Project:** Gisslev AV Battery

Sample ID: <b>MB-63614</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63614</b>	RunNo: <b>82441</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926600</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

### Qualifiers:

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

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

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

WO#: 2110B21

02-Nov-21

**Client:** GHD Midland  
**Project:** Gisslev AV Battery

Sample ID: <b>mb-63569</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63569</b>	RunNo: <b>82404</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2924666</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	950		1000		95.3	70	130			

Sample ID: <b>mb-63577</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63577</b>	RunNo: <b>82404</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2924667</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	980		1000		97.7	70	130			

Sample ID: <b>lcs-63577</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63577</b>	RunNo: <b>82404</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2924668</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	106	78.6	131			
Surr: BFB	1100		1000		111	70	130			

Sample ID: <b>lcs-63603</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63603</b>	RunNo: <b>82466</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926053</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	70	130			

Sample ID: <b>mb-63603</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63603</b>	RunNo: <b>82466</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926054</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	950		1000		95.0	70	130			

**Qualifiers:**

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

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

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

WO#: 2110B21

02-Nov-21

**Client:** GHD Midland  
**Project:** Gisslev AV Battery

Sample ID: <b>mb-63569</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63569</b>	RunNo: <b>82404</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2924705</b> Units: <b>mg/Kg</b>								
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		104	70	130			

Sample ID: <b>mb-63577</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63577</b>	RunNo: <b>82404</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2924706</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	70	130			

Sample ID: <b>lcs-63577</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63577</b>	RunNo: <b>82404</b>								
Prep Date: <b>10/26/2021</b>	Analysis Date: <b>10/28/2021</b>	SeqNo: <b>2924708</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.7	80	120			
Toluene	0.98	0.050	1.000	0	97.7	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.1	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		96.9	70	130			

Sample ID: <b>lcs-63603</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>63603</b>	RunNo: <b>82466</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926074</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: <b>mb-63603</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>63603</b>	RunNo: <b>82466</b>								
Prep Date: <b>10/27/2021</b>	Analysis Date: <b>10/29/2021</b>	SeqNo: <b>2926075</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2110B21

02-Nov-21

Client: GHD Midland  
Project: Gisslev AV Battery

Sample ID: <b>mb-63603</b>		SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>		Batch ID: <b>63603</b>		RunNo: <b>82466</b>						
Prep Date: <b>10/27/2021</b>		Analysis Date: <b>10/29/2021</b>		SeqNo: <b>2926075</b>			Units: <b>%Rec</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix
- B

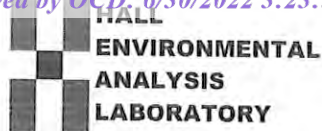
Analyte detected in the associated Method Blank
- E

Value above quantitation range
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit



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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2110B21

RcptNo: 1

Received By: Sean Livingston 10/23/2021 9:15:00 AM

Completed By: Sean Livingston 10/23/2021 10:17:04 AM

Reviewed By: *See 10/23/21**See Livingston**See Livingston*Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☐ No ☒ NA ☐
5. Sample(s) in proper container(s)? Samples 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: *See 10/23/21*Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good				
2	-1.4	Good				
3	4.9	Good				









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

January 19, 2022

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

RE: Gissler AV Battery

OrderNo.: 2201193

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 15 sample(s) on 1/6/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-5

Project: Gissler AV Battery

Collection Date: 1/4/2022 11:00:00 AM

Lab ID: 2201193-001

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1400	60		mg/Kg	20	1/10/2022 2:34:07 PM	64937
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	1100	200		mg/Kg	20	1/11/2022 1:55:38 PM	64901
Motor Oil Range Organics (MRO)	1700	990		mg/Kg	20	1/11/2022 1:55:38 PM	64901
Surr: DNOP	0	70-130	S	%Rec	20	1/11/2022 1:55:38 PM	64901
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	1/7/2022 2:39:00 PM	64900
Surr: BFB	95.1	70-130		%Rec	5	1/7/2022 2:39:00 PM	64900
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	1/7/2022 2:39:00 PM	64900
Toluene	ND	0.24		mg/Kg	5	1/7/2022 2:39:00 PM	64900
Ethylbenzene	ND	0.24		mg/Kg	5	1/7/2022 2:39:00 PM	64900
Xylenes, Total	ND	0.49		mg/Kg	5	1/7/2022 2:39:00 PM	64900
Surr: 4-Bromofluorobenzene	91.0	70-130		%Rec	5	1/7/2022 2:39:00 PM	64900

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-10

Project: Gissler AV Battery

Collection Date: 1/4/2022 11:05:00 AM

Lab ID: 2201193-002

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2100	60		mg/Kg	20	1/10/2022 2:46:27 PM	64937
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/11/2022 2:06:17 PM	64901
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/11/2022 2:06:17 PM	64901
Surr: DNOP	83.8	70-130		%Rec	1	1/11/2022 2:06:17 PM	64901
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	1/7/2022 2:58:00 PM	64900
Surr: BFB	89.1	70-130		%Rec	1	1/7/2022 2:58:00 PM	64900
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/7/2022 2:58:00 PM	64900
Toluene	ND	0.050		mg/Kg	1	1/7/2022 2:58:00 PM	64900
Ethylbenzene	ND	0.050		mg/Kg	1	1/7/2022 2:58:00 PM	64900
Xylenes, Total	ND	0.10		mg/Kg	1	1/7/2022 2:58:00 PM	64900
Surr: 4-Bromofluorobenzene	80.4	70-130		%Rec	1	1/7/2022 2:58:00 PM	64900

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-15

Project: Gissler AV Battery

Collection Date: 1/4/2022 11:10:00 AM

Lab ID: 2201193-003

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2600	150		mg/Kg	50	1/13/2022 12:48:16 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/11/2022 2:16:56 PM	64901
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/11/2022 2:16:56 PM	64901
Surr: DNOP	91.1	70-130		%Rec	1	1/11/2022 2:16:56 PM	64901
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/7/2022 3:18:00 PM	64900
Surr: BFB	87.2	70-130		%Rec	1	1/7/2022 3:18:00 PM	64900
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/7/2022 3:18:00 PM	64900
Toluene	ND	0.049		mg/Kg	1	1/7/2022 3:18:00 PM	64900
Ethylbenzene	ND	0.049		mg/Kg	1	1/7/2022 3:18:00 PM	64900
Xylenes, Total	ND	0.098		mg/Kg	1	1/7/2022 3:18:00 PM	64900
Surr: 4-Bromofluorobenzene	81.4	70-130		%Rec	1	1/7/2022 3:18:00 PM	64900

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-20

Project: Gissler AV Battery

Collection Date: 1/4/2022 11:20:00 AM

Lab ID: 2201193-004

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1200	60		mg/Kg	20	1/11/2022 1:05:11 PM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	51	9.7		mg/Kg	1	1/11/2022 2:47:46 PM	64901
Motor Oil Range Organics (MRO)	54	48		mg/Kg	1	1/11/2022 2:47:46 PM	64901
Surr: DNOP	125	70-130		%Rec	1	1/11/2022 2:47:46 PM	64901
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	1/7/2022 3:38:00 PM	64900
Surr: BFB	97.3	70-130		%Rec	5	1/7/2022 3:38:00 PM	64900
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	1/7/2022 3:38:00 PM	64900
Toluene	ND	0.25		mg/Kg	5	1/7/2022 3:38:00 PM	64900
Ethylbenzene	ND	0.25		mg/Kg	5	1/7/2022 3:38:00 PM	64900
Xylenes, Total	ND	0.50		mg/Kg	5	1/7/2022 3:38:00 PM	64900
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	5	1/7/2022 3:38:00 PM	64900

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-25

Project: Gissler AV Battery

Collection Date: 1/4/2022 11:25:00 AM

Lab ID: 2201193-005

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	4000	150		mg/Kg	50	1/13/2022 1:00:41 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	13	9.7		mg/Kg	1	1/11/2022 2:58:25 PM	64901
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/11/2022 2:58:25 PM	64901
Surr: DNOP	90.1	70-130		%Rec	1	1/11/2022 2:58:25 PM	64901
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>mb</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/7/2022 3:58:00 PM	64900
Surr: BFB	91.9	70-130		%Rec	1	1/7/2022 3:58:00 PM	64900
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>mb</b>
Benzene	ND	0.025		mg/Kg	1	1/7/2022 3:58:00 PM	64900
Toluene	ND	0.049		mg/Kg	1	1/7/2022 3:58:00 PM	64900
Ethylbenzene	ND	0.049		mg/Kg	1	1/7/2022 3:58:00 PM	64900
Xylenes, Total	ND	0.098		mg/Kg	1	1/7/2022 3:58:00 PM	64900
Surr: 4-Bromofluorobenzene	83.8	70-130		%Rec	1	1/7/2022 3:58:00 PM	64900

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-30

Project: Gissler AV Battery

Collection Date: 1/4/2022 11:40:00 AM

Lab ID: 2201193-006

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2600	150		mg/Kg	50	1/13/2022 1:13:05 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/11/2022 3:09:05 PM	64901
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/11/2022 3:09:05 PM	64901
Surr: DNOP	85.3	70-130		%Rec	1	1/11/2022 3:09:05 PM	64901
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/7/2022 4:17:00 PM	64900
Surr: BFB	88.2	70-130		%Rec	1	1/7/2022 4:17:00 PM	64900
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/7/2022 4:17:00 PM	64900
Toluene	ND	0.049		mg/Kg	1	1/7/2022 4:17:00 PM	64900
Ethylbenzene	ND	0.049		mg/Kg	1	1/7/2022 4:17:00 PM	64900
Xylenes, Total	ND	0.099		mg/Kg	1	1/7/2022 4:17:00 PM	64900
Surr: 4-Bromofluorobenzene	82.9	70-130		%Rec	1	1/7/2022 4:17:00 PM	64900

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-35

Project: Gissler AV Battery

Collection Date: 1/4/2022 11:45:00 AM

Lab ID: 2201193-007

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	5100	150		mg/Kg	50	1/13/2022 1:25:29 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	1/11/2022 3:19:47 PM	64901
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/11/2022 3:19:47 PM	64901
Surr: DNOP	119	70-130		%Rec	1	1/11/2022 3:19:47 PM	64901
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/7/2022 4:37:00 PM	64900
Surr: BFB	89.0	70-130		%Rec	1	1/7/2022 4:37:00 PM	64900
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/7/2022 4:37:00 PM	64900
Toluene	ND	0.048		mg/Kg	1	1/7/2022 4:37:00 PM	64900
Ethylbenzene	ND	0.048		mg/Kg	1	1/7/2022 4:37:00 PM	64900
Xylenes, Total	ND	0.096		mg/Kg	1	1/7/2022 4:37:00 PM	64900
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	1/7/2022 4:37:00 PM	64900

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-40

Project: Gissler AV Battery

Collection Date: 1/4/2022 11:55:00 AM

Lab ID: 2201193-008

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	5100	300		mg/Kg	100	1/13/2022 1:37:53 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/11/2022 3:30:39 PM	64901
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/11/2022 3:30:39 PM	64901
Surr: DNOP	84.9	70-130		%Rec	1	1/11/2022 3:30:39 PM	64901
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/7/2022 4:57:00 PM	64900
Surr: BFB	88.6	70-130		%Rec	1	1/7/2022 4:57:00 PM	64900
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/7/2022 4:57:00 PM	64900
Toluene	ND	0.048		mg/Kg	1	1/7/2022 4:57:00 PM	64900
Ethylbenzene	ND	0.048		mg/Kg	1	1/7/2022 4:57:00 PM	64900
Xylenes, Total	ND	0.096		mg/Kg	1	1/7/2022 4:57:00 PM	64900
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	1/7/2022 4:57:00 PM	64900

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-45

Project: Gissler AV Battery

Collection Date: 1/4/2022 12:00:00 PM

Lab ID: 2201193-009

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	7700	300		mg/Kg	100	1/13/2022 1:50:18 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/11/2022 3:41:31 PM	64901
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/11/2022 3:41:31 PM	64901
Surr: DNOP	86.5	70-130		%Rec	1	1/11/2022 3:41:31 PM	64901
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/7/2022 5:17:00 PM	64900
Surr: BFB	88.3	70-130		%Rec	1	1/7/2022 5:17:00 PM	64900
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.025		mg/Kg	1	1/7/2022 5:17:00 PM	64900
Toluene	ND	0.049		mg/Kg	1	1/7/2022 5:17:00 PM	64900
Ethylbenzene	ND	0.049		mg/Kg	1	1/7/2022 5:17:00 PM	64900
Xylenes, Total	ND	0.098		mg/Kg	1	1/7/2022 5:17:00 PM	64900
Surr: 4-Bromofluorobenzene	81.5	70-130		%Rec	1	1/7/2022 5:17:00 PM	64900

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-50

Project: Gissler AV Battery

Collection Date: 1/4/2022 12:15:00 PM

Lab ID: 2201193-010

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	5100	150		mg/Kg	50	1/13/2022 2:02:44 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	46	9.5		mg/Kg	1	1/7/2022 7:15:01 PM	64887
Motor Oil Range Organics (MRO)	110	48		mg/Kg	1	1/7/2022 7:15:01 PM	64887
Surr: DNOP	82.2	70-130		%Rec	1	1/7/2022 7:15:01 PM	64887
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	1/7/2022 7:15:00 PM	64897
Surr: BFB	97.1	70-130		%Rec	5	1/7/2022 7:15:00 PM	64897
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.11		mg/Kg	5	1/7/2022 7:15:00 PM	64897
Toluene	ND	0.23		mg/Kg	5	1/7/2022 7:15:00 PM	64897
Ethylbenzene	ND	0.23		mg/Kg	5	1/7/2022 7:15:00 PM	64897
Xylenes, Total	ND	0.46		mg/Kg	5	1/7/2022 7:15:00 PM	64897
Surr: 4-Bromofluorobenzene	90.8	70-130		%Rec	5	1/7/2022 7:15:00 PM	64897

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-60

Project: Gissler AV Battery

Collection Date: 1/4/2022 12:30:00 PM

Lab ID: 2201193-011

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	3100	150		mg/Kg	50	1/13/2022 2:15:08 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	1/7/2022 7:25:36 PM	64887
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	1/7/2022 7:25:36 PM	64887
Surr: DNOP	100	70-130		%Rec	1	1/7/2022 7:25:36 PM	64887
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	1/7/2022 8:14:00 PM	64897
Surr: BFB	96.1	70-130		%Rec	5	1/7/2022 8:14:00 PM	64897
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	1/7/2022 8:14:00 PM	64897
Toluene	ND	0.24		mg/Kg	5	1/7/2022 8:14:00 PM	64897
Ethylbenzene	ND	0.24		mg/Kg	5	1/7/2022 8:14:00 PM	64897
Xylenes, Total	ND	0.48		mg/Kg	5	1/7/2022 8:14:00 PM	64897
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	5	1/7/2022 8:14:00 PM	64897

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-70

Project: Gissler AV Battery

Collection Date: 1/4/2022 12:40:00 PM

Lab ID: 2201193-012

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2300	150		mg/Kg	50	1/13/2022 2:52:24 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	1/7/2022 7:36:10 PM	64887
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/7/2022 7:36:10 PM	64887
Surr: DNOP	82.3	70-130		%Rec	1	1/7/2022 7:36:10 PM	64887
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/7/2022 9:13:00 PM	64897
Surr: BFB	90.3	70-130		%Rec	1	1/7/2022 9:13:00 PM	64897
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/7/2022 9:13:00 PM	64897
Toluene	ND	0.047		mg/Kg	1	1/7/2022 9:13:00 PM	64897
Ethylbenzene	ND	0.047		mg/Kg	1	1/7/2022 9:13:00 PM	64897
Xylenes, Total	ND	0.095		mg/Kg	1	1/7/2022 9:13:00 PM	64897
Surr: 4-Bromofluorobenzene	81.6	70-130		%Rec	1	1/7/2022 9:13:00 PM	64897

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-80

Project: Gissler AV Battery

Collection Date: 1/4/2022 1:00:00 PM

Lab ID: 2201193-013

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	990	60		mg/Kg	20	1/11/2022 3:21:42 PM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/7/2022 7:46:42 PM	64887
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/7/2022 7:46:42 PM	64887
Surr: DNOP	101	70-130		%Rec	1	1/7/2022 7:46:42 PM	64887
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/7/2022 9:32:00 PM	64897
Surr: BFB	86.1	70-130		%Rec	1	1/7/2022 9:32:00 PM	64897
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	1/7/2022 9:32:00 PM	64897
Toluene	ND	0.046		mg/Kg	1	1/7/2022 9:32:00 PM	64897
Ethylbenzene	ND	0.046		mg/Kg	1	1/7/2022 9:32:00 PM	64897
Xylenes, Total	ND	0.091		mg/Kg	1	1/7/2022 9:32:00 PM	64897
Surr: 4-Bromofluorobenzene	81.1	70-130		%Rec	1	1/7/2022 9:32:00 PM	64897

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-90

Project: Gissler AV Battery

Collection Date: 1/4/2022 1:10:00 PM

Lab ID: 2201193-014

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	5100	300		mg/Kg	100	1/13/2022 3:04:48 AM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/7/2022 7:57:12 PM	64887
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/7/2022 7:57:12 PM	64887
Surr: DNOP	88.2	70-130		%Rec	1	1/7/2022 7:57:12 PM	64887
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.6		mg/Kg	1	1/7/2022 9:52:00 PM	64897
Surr: BFB	86.6	70-130		%Rec	1	1/7/2022 9:52:00 PM	64897
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	1/7/2022 9:52:00 PM	64897
Toluene	ND	0.046		mg/Kg	1	1/7/2022 9:52:00 PM	64897
Ethylbenzene	ND	0.046		mg/Kg	1	1/7/2022 9:52:00 PM	64897
Xylenes, Total	ND	0.093		mg/Kg	1	1/7/2022 9:52:00 PM	64897
Surr: 4-Bromofluorobenzene	80.2	70-130		%Rec	1	1/7/2022 9:52:00 PM	64897

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

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

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## Analytical Report

Lab Order 2201193

Date Reported: 1/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-100

Project: Gissler AV Battery

Collection Date: 1/4/2022 1:15:00 PM

Lab ID: 2201193-015

Matrix: SOIL

Received Date: 1/6/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1600	60		mg/Kg	20	1/11/2022 3:46:31 PM	64957
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	1/7/2022 8:07:43 PM	64887
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/7/2022 8:07:43 PM	64887
Surr: DNOP	84.6	70-130		%Rec	1	1/7/2022 8:07:43 PM	64887
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	1/7/2022 10:12:00 PM	64897
Surr: BFB	87.0	70-130		%Rec	1	1/7/2022 10:12:00 PM	64897
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/7/2022 10:12:00 PM	64897
Toluene	ND	0.048		mg/Kg	1	1/7/2022 10:12:00 PM	64897
Ethylbenzene	ND	0.048		mg/Kg	1	1/7/2022 10:12:00 PM	64897
Xylenes, Total	ND	0.095		mg/Kg	1	1/7/2022 10:12:00 PM	64897
Surr: 4-Bromofluorobenzene	82.0	70-130		%Rec	1	1/7/2022 10:12:00 PM	64897

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

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

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

WO#: 2201193

19-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-64937</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64937</b>	RunNo: <b>85054</b>								
Prep Date: <b>1/10/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992524</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64937</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64937</b>	RunNo: <b>85054</b>								
Prep Date: <b>1/10/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992525</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Sample ID: <b>MB-64957</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64957</b>	RunNo: <b>85061</b>								
Prep Date: <b>1/11/2022</b>	Analysis Date: <b>1/11/2022</b>	SeqNo: <b>2993781</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64957</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64957</b>	RunNo: <b>85061</b>								
Prep Date: <b>1/11/2022</b>	Analysis Date: <b>1/11/2022</b>	SeqNo: <b>2993782</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.2	90	110			

**Qualifiers:**

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

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

WO#: 2201193

19-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-64887</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64887</b>	RunNo: <b>85007</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991255</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.5	70	130			

Sample ID: <b>MB-64887</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64887</b>	RunNo: <b>85008</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991261</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Sample ID: <b>LCS-64887</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64887</b>	RunNo: <b>85006</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991977</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	115	68.9	135			
Surr: DNOP	5.0		5.000		101	70	130			

Sample ID: <b>MB-64887</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64887</b>	RunNo: <b>85006</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991979</b> Units: <b>mg/Kg</b>								
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	9.1		10.00		90.7	70	130			

Sample ID: <b>LCS-64901</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64901</b>	RunNo: <b>85066</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/11/2022</b>	SeqNo: <b>2992973</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.5	68.9	135			
Surr: DNOP	4.3		5.000		85.2	70	130			

**Qualifiers:**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2201193

19-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: MB-64901	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 64901	RunNo: 85066								
Prep Date: 1/7/2022	Analysis Date: 1/11/2022	SeqNo: 2992975		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.0		10.00		89.7	70	130			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2201193

19-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-64900</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64900</b>	RunNo: <b>85031</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991678</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	900		1000		89.8	70	130			

Sample ID: <b>mb-64897</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64897</b>	RunNo: <b>85031</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991679</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		86.3	70	130			

Sample ID: <b>lcs-64900</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64900</b>	RunNo: <b>85031</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991680</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1000		1000		104	70	130			

Sample ID: <b>lcs-64897</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64897</b>	RunNo: <b>85031</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991681</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	102	78.6	131			
Surr: BFB	1000		1000		103	70	130			

Sample ID: <b>2201193-010ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SB-1-50</b>	Batch ID: <b>64897</b>	RunNo: <b>85031</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991683</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	30	24	23.90	0	125	70	130			
Surr: BFB	4900		4780		103	70	130			

Sample ID: <b>2201193-010amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SB-1-50</b>	Batch ID: <b>64897</b>	RunNo: <b>85031</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991685</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2201193

19-Jan-22

Client: GHD Midland  
Project: Gissler AV Battery

Sample ID: 2201193-010amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SB-1-50		Batch ID: 64897		RunNo: 85031						
Prep Date: 1/6/2022		Analysis Date: 1/7/2022		SeqNo: 2991685		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	24	23.88	0	118	70	130	5.68	20	
Surr: BFB	4900		4776		103	70	130	0	0	

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2201193

19-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>Ics-64900</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64900</b>			RunNo: <b>85031</b>						
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>			SeqNo: <b>2991612</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.2	80	120			
Toluene	0.85	0.050	1.000	0	84.7	80	120			
Ethylbenzene	0.84	0.050	1.000	0	84.4	80	120			
Xylenes, Total	2.4	0.10	3.000	0	81.7	80	120			
Surr: 4-Bromofluorobenzene	0.82		1.000		82.2	70	130			

Sample ID: <b>Ics-64897</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64897</b>			RunNo: <b>85031</b>						
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>			SeqNo: <b>2991613</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.1	80	120			
Toluene	0.84	0.050	1.000	0	83.8	80	120			
Ethylbenzene	0.83	0.050	1.000	0	83.3	80	120			
Xylenes, Total	2.4	0.10	3.000	0	81.2	80	120			
Surr: 4-Bromofluorobenzene	0.80		1.000		79.9	70	130			

Sample ID: <b>mb-64900</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64900</b>			RunNo: <b>85031</b>						
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>			SeqNo: <b>2991712</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.2	70	130			

Sample ID: <b>mb-64897</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64897</b>			RunNo: <b>85031</b>						
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>			SeqNo: <b>2991713</b>		Units: <b>mg/Kg</b>				
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	0.79		1.000		78.6	70	130			

**Qualifiers:**

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

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

WO#: 2201193

19-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

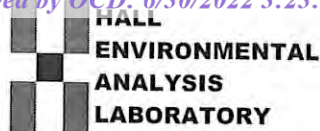
Sample ID: <b>2201193-011ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SB-1-60</b>	Batch ID: <b>64897</b>	RunNo: <b>85031</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991715</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.11	0.9191	0	95.2	80	120			
Toluene	0.89	0.23	0.9191	0	96.3	80	120			
Ethylbenzene	0.93	0.23	0.9191	0	101	80	120			
Xylenes, Total	2.7	0.46	2.757	0	96.2	80	120			
Surr: 4-Bromofluorobenzene	4.2		4.596		91.2	70	130			

Sample ID: <b>2201193-011amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SB-1-60</b>	Batch ID: <b>64897</b>	RunNo: <b>85031</b>								
Prep Date: <b>1/6/2022</b>	Analysis Date: <b>1/7/2022</b>	SeqNo: <b>2991717</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.11	0.9141	0	95.9	80	120	0.204	20	
Toluene	0.91	0.23	0.9141	0	99.8	80	120	2.99	20	
Ethylbenzene	0.93	0.23	0.9141	0	102	80	120	0.215	20	
Xylenes, Total	2.7	0.46	2.742	0	98.6	80	120	1.91	20	
Surr: 4-Bromofluorobenzene	4.1		4.570		89.6	70	130	0	0	

**Qualifiers:**

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

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



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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2201193

RcptNo: 1

Received By: Tracy Casarrubias 1/6/2022 8:00:00 AM

Completed By: Tracy Casarrubias 1/6/2022 8:17:11 AM

Reviewed By: KPG 1/06/22

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐
- # of preserved bottles checked for pH:   
(<2 or >12 unless noted)  
Adjusted?   
Checked by: ju 1/6/22

Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
By Whom: \_\_\_\_\_ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding: \_\_\_\_\_  
Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.8	Good	Yes			

# Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☒ Standard

☒ Rush

Project Name:

Project #:

12563391

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Cornino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 50-0.2-4.8

Container Type and #

Preservative Type

HEAL No.

220193

001

002

003

004

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# 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 5-8

Project Name:

Crisler AD Battery

Project #:

1256391

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

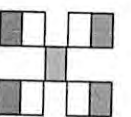
Cooler Temp (including CF): 5.0 - 0.2 = 4.8

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<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>  
8260 (VOA)  
8270 (Semi-VOA)  
Total Coliform (Present/Absent)



**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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)
12/13/22	1300	5	SD-1-80	1		013	X	X								
12/13/22	1310	1	STB-1-90	1		014										
12/13/22	1315	1	STB-1-100	1		015										

Relinquished by:

Received by:

Date Time

Relinquished by:

Received by:

Date Time

Remarks: Please email: Chase\_Settle@eogresources.com;

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

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

listed above.

Direct Bill to EOG Chase Settle

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



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

January 24, 2022

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

RE: Gissler AV Battery

OrderNo.: 2201270

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 6 sample(s) on 1/7/2022 for the analyses presented in the following report.

This report is a revised report and it replaces the original report issued January 05, 2022.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. 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. All samples are reported as received unless otherwise indicated.

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman".

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2201270

Date Reported: 1/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-110

Project: Gissler AV Battery

Collection Date: 1/5/2022 10:15:00 AM

Lab ID: 2201270-001

Matrix: SOIL

Received Date: 1/7/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1000	60		mg/Kg	20	1/11/2022 9:32:59 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.1		mg/Kg	1	1/12/2022 2:48:29 PM	64929
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	1/12/2022 2:48:29 PM	64929
Surr: DNOP	73.9	70-130		%Rec	1	1/12/2022 2:48:29 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/11/2022 1:57:00 AM	64917
Surr: BFB	85.9	70-130		%Rec	1	1/11/2022 1:57:00 AM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.024		mg/Kg	1	1/11/2022 1:57:00 AM	64917
Toluene	ND	0.049		mg/Kg	1	1/11/2022 1:57:00 AM	64917
Ethylbenzene	ND	0.049		mg/Kg	1	1/11/2022 1:57:00 AM	64917
Xylenes, Total	ND	0.098		mg/Kg	1	1/11/2022 1:57:00 AM	64917
Surr: 4-Bromofluorobenzene	79.5	70-130		%Rec	1	1/11/2022 1:57:00 AM	64917

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

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

Page 1 of 12

## Analytical Report

Lab Order 2201270

Date Reported: 1/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-120

Project: Gissler AV Battery

Collection Date: 1/5/2022 10:25:00 AM

Lab ID: 2201270-002

Matrix: SOIL

Received Date: 1/7/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	530	60		mg/Kg	20	1/11/2022 9:45:20 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	35	8.5		mg/Kg	1	1/12/2022 3:10:27 PM	64929
Motor Oil Range Organics (MRO)	ND	42		mg/Kg	1	1/12/2022 3:10:27 PM	64929
Surr: DNOP	80.2	70-130		%Rec	1	1/12/2022 3:10:27 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	1/11/2022 2:17:00 AM	64917
Surr: BFB	95.6	70-130		%Rec	5	1/11/2022 2:17:00 AM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.12		mg/Kg	5	1/11/2022 2:17:00 AM	64917
Toluene	ND	0.23		mg/Kg	5	1/11/2022 2:17:00 AM	64917
Ethylbenzene	ND	0.23		mg/Kg	5	1/11/2022 2:17:00 AM	64917
Xylenes, Total	ND	0.47		mg/Kg	5	1/11/2022 2:17:00 AM	64917
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	5	1/11/2022 2:17:00 AM	64917

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

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

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## Analytical Report

Lab Order 2201270

Date Reported: 1/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-125

Project: Gissler AV Battery

Collection Date: 1/5/2022 10:30:00 AM

Lab ID: 2201270-003

Matrix: SOIL

Received Date: 1/7/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	840	60		mg/Kg	20	1/11/2022 9:57:41 PM	64966
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	16	10		mg/Kg	1	1/12/2022 3:21:22 PM	64929
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	1/12/2022 3:21:22 PM	64929
Surr: DNOP	106	70-130		%Rec	1	1/12/2022 3:21:22 PM	64929
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: mb
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	1/11/2022 2:36:00 AM	64917
Surr: BFB	91.7	70-130		%Rec	1	1/11/2022 2:36:00 AM	64917
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: mb
Benzene	ND	0.023		mg/Kg	1	1/11/2022 2:36:00 AM	64917
Toluene	ND	0.047		mg/Kg	1	1/11/2022 2:36:00 AM	64917
Ethylbenzene	ND	0.047		mg/Kg	1	1/11/2022 2:36:00 AM	64917
Xylenes, Total	ND	0.094		mg/Kg	1	1/11/2022 2:36:00 AM	64917
Surr: 4-Bromofluorobenzene	84.2	70-130		%Rec	1	1/11/2022 2:36:00 AM	64917

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

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

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## Analytical Report

Lab Order 2201270

Date Reported: 1/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-130

Project: Gissler AV Battery

Collection Date: 1/5/2022 10:35:00 AM

Lab ID: 2201270-004

Matrix: SOIL

Received Date: 1/7/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	170	60		mg/Kg	20	1/14/2022 1:02:21 PM	65024
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	1/17/2022 11:45:27 AM	65033
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	1/17/2022 11:45:27 AM	65033
Surr: DNOP	100	70-130		%Rec	1	1/17/2022 11:45:27 AM	65033
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/17/2022 9:43:25 AM	65023
Surr: BFB	101	70-130		%Rec	1	1/17/2022 9:43:25 AM	65023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	1/17/2022 9:43:25 AM	65023
Toluene	ND	0.049		mg/Kg	1	1/17/2022 9:43:25 AM	65023
Ethylbenzene	ND	0.049		mg/Kg	1	1/17/2022 9:43:25 AM	65023
Xylenes, Total	ND	0.097		mg/Kg	1	1/17/2022 9:43:25 AM	65023
Surr: 4-Bromofluorobenzene	111	70-130		%Rec	1	1/17/2022 9:43:25 AM	65023

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

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

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## Analytical Report

Lab Order 2201270

Date Reported: 1/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SB-1-135

Project: Gissler AV Battery

Collection Date: 1/5/2022 10:40:00 AM

Lab ID: 2201270-005

Matrix: SOIL

Received Date: 1/7/2022 8:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	65	60		mg/Kg	20	1/14/2022 1:14:41 PM	65024
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	1/17/2022 12:57:51 PM	65033
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	1/17/2022 12:57:51 PM	65033
Surr: DNOP	109	70-130		%Rec	1	1/17/2022 12:57:51 PM	65033
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	1/17/2022 10:53:30 AM	65023
Surr: BFB	99.2	70-130		%Rec	1	1/17/2022 10:53:30 AM	65023
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	1/17/2022 10:53:30 AM	65023
Toluene	ND	0.049		mg/Kg	1	1/17/2022 10:53:30 AM	65023
Ethylbenzene	ND	0.049		mg/Kg	1	1/17/2022 10:53:30 AM	65023
Xylenes, Total	ND	0.098		mg/Kg	1	1/17/2022 10:53:30 AM	65023
Surr: 4-Bromofluorobenzene	112	70-130		%Rec	1	1/17/2022 10:53:30 AM	65023

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

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

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

WO#: 2201270

24-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-64966</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64966</b>	RunNo: <b>85087</b>								
Prep Date: <b>1/11/2022</b>	Analysis Date: <b>1/11/2022</b>	SeqNo: <b>2993902</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-64966</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64966</b>	RunNo: <b>85087</b>								
Prep Date: <b>1/11/2022</b>	Analysis Date: <b>1/11/2022</b>	SeqNo: <b>2993903</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Sample ID: <b>MB-65024</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65024</b>	RunNo: <b>85168</b>								
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/14/2022</b>	SeqNo: <b>2996994</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-65024</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65024</b>	RunNo: <b>85168</b>								
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/14/2022</b>	SeqNo: <b>2996995</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.1	90	110			

**Qualifiers:**

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

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

WO#: 2201270

24-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>LCS-64929</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>64929</b>			RunNo: <b>85117</b>						
Prep Date: <b>1/10/2022</b>	Analysis Date: <b>1/12/2022</b>			SeqNo: <b>2994803</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.9	68.9	135			
Surr: DNOP	3.7		5.000		73.7	70	130			

Sample ID: <b>MB-64929</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>64929</b>			RunNo: <b>85117</b>						
Prep Date: <b>1/10/2022</b>	Analysis Date: <b>1/12/2022</b>			SeqNo: <b>2994804</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.5	70	130			

Sample ID: <b>2201270-004AMS</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>SB-1-130</b>	Batch ID: <b>65033</b>			RunNo: <b>85220</b>						
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>			SeqNo: <b>2998483</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	9.9	49.26	0	72.4	39.3	155			
Surr: DNOP	4.7		4.926		94.6	70	130			

Sample ID: <b>2201270-004AMSD</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>SB-1-130</b>	Batch ID: <b>65033</b>			RunNo: <b>85220</b>						
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>			SeqNo: <b>2998484</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	36	9.6	47.85	0	75.6	39.3	155	1.31	23.4	
Surr: DNOP	4.5		4.785		93.8	70	130	0	0	

Sample ID: <b>LCS-65033</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>65033</b>			RunNo: <b>85220</b>						
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>			SeqNo: <b>2998506</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	10	50.00	0	84.5	68.9	135			
Surr: DNOP	4.7		5.000		94.1	70	130			

**Qualifiers:**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2201270

24-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: MB-65033	SampType: MBLK	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: PBS	Batch ID: 65033	RunNo: 85220								
Prep Date: 1/14/2022	Analysis Date: 1/17/2022	SeqNo: 2998507	Units: mg/Kg							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.7		10.00		97.0	70	130			

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2201270

24-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-64917</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64917</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992378</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		85.5	70	130			

Sample ID: <b>lcs-64917</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64917</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992379</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	91.6	78.6	131			
Surr: BFB	1000		1000		101	70	130			

Sample ID: <b>mb-65023</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65023</b>	RunNo: <b>85208</b>								
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>	SeqNo: <b>2997544</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		102	70	130			

Sample ID: <b>lcs-65023</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65023</b>	RunNo: <b>85208</b>								
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>	SeqNo: <b>2997545</b> Units: <b>mg/Kg</b>								
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		107	70	130			

Sample ID: <b>2201270-004ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SB-1-130</b>	Batch ID: <b>65023</b>	RunNo: <b>85208</b>								
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>	SeqNo: <b>2997547</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	4.8	23.99	0	87.6	70	130			
Surr: BFB	1000		959.7		108	70	130			

Sample ID: <b>2201270-004amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SB-1-130</b>	Batch ID: <b>65023</b>	RunNo: <b>85208</b>								
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>	SeqNo: <b>2997548</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

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

WO#: 2201270

24-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>2201270-004amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SB-1-130</b>	Batch ID: <b>65023</b>	RunNo: <b>85208</b>								
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>	SeqNo: <b>2997548</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	21	5.0	24.98	0	85.3	70	130	1.38	20	
Surr: BFB	1100		999.0		106	70	130	0	0	

Sample ID: <b>mb-65045</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65045</b>	RunNo: <b>85208</b>								
Prep Date: <b>1/15/2022</b>	Analysis Date: <b>1/17/2022</b>	SeqNo: <b>2997568</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	980		1000		98.2	70	130			

Sample ID: <b>lcs-65045</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65045</b>	RunNo: <b>85208</b>								
Prep Date: <b>1/15/2022</b>	Analysis Date: <b>1/17/2022</b>	SeqNo: <b>2997569</b>	Units: <b>%Rec</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	70	130			

**Qualifiers:**

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

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

WO#: 2201270

24-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-64917</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>64917</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992408</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		83.7	70	130			

Sample ID: <b>lcs-64917</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>64917</b>	RunNo: <b>85038</b>								
Prep Date: <b>1/7/2022</b>	Analysis Date: <b>1/10/2022</b>	SeqNo: <b>2992409</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.4	80	120			
Toluene	0.87	0.050	1.000	0	86.9	80	120			
Ethylbenzene	0.88	0.050	1.000	0	87.6	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.7	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		85.6	70	130			

Sample ID: <b>mb-65023</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>65023</b>	RunNo: <b>85208</b>								
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>	SeqNo: <b>2997591</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.1		1.000		112	70	130			

Sample ID: <b>LCS-65023</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>65023</b>	RunNo: <b>85208</b>								
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>	SeqNo: <b>2997592</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	1.000	0	86.4	80	120			
Toluene	0.88	0.050	1.000	0	88.5	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.3	80	120			
Xylenes, Total	2.7	0.10	3.000	0	88.4	80	120			
Surr: 4-Bromofluorobenzene	1.1		1.000		111	70	130			

**Qualifiers:**

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

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

WO#: 2201270

24-Jan-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>2201270-005ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>SB-1-135</b>	Batch ID: <b>65023</b>		RunNo: <b>85208</b>							
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>		SeqNo: <b>2997595</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.79	0.024	0.9728	0	80.9	80	120			
Toluene	0.82	0.049	0.9728	0	84.2	80	120			
Ethylbenzene	0.82	0.049	0.9728	0	84.4	80	120			
Xylenes, Total	2.4	0.097	2.918	0	83.4	80	120			
Surr: 4-Bromofluorobenzene	1.0		0.9728		107	70	130			

Sample ID: <b>2201270-005amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>SB-1-135</b>	Batch ID: <b>65023</b>		RunNo: <b>85208</b>							
Prep Date: <b>1/14/2022</b>	Analysis Date: <b>1/17/2022</b>		SeqNo: <b>2997596</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.77	0.024	0.9515	0	81.3	80	120	1.67	20	
Toluene	0.80	0.048	0.9515	0	84.3	80	120	2.18	20	
Ethylbenzene	0.81	0.048	0.9515	0	84.7	80	120	1.89	20	
Xylenes, Total	2.4	0.095	2.854	0	84.2	80	120	1.31	20	
Surr: 4-Bromofluorobenzene	1.0		0.9515		109	70	130	0	0	

Sample ID: <b>mb-65045</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>65045</b>		RunNo: <b>85208</b>							
Prep Date: <b>1/15/2022</b>	Analysis Date: <b>1/17/2022</b>		SeqNo: <b>2997612</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		109	70	130			

Sample ID: <b>LCS-65045</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>65045</b>		RunNo: <b>85208</b>							
Prep Date: <b>1/15/2022</b>	Analysis Date: <b>1/17/2022</b>		SeqNo: <b>2997613</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: 4-Bromofluorobenzene	1.1		1.000		112	70	130			

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2201270

RcptNo: 1

Received By: Cheyenne Cason 1/7/2022 8:00:00 AM

Completed By: Desiree Dominguez 1/7/2022 8:12:30 AM

Reviewed By: *jr 1/7/22*Chain of Custody

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

Log In

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

# of preserved  
bottles checked  
for pH:

( $\leq 2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *cmc 1/7/22*

Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_ Date: \_\_\_\_\_  
By Whom: \_\_\_\_\_ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person  
Regarding: \_\_\_\_\_  
Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	3.8	Good				





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

May 16, 2022

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

RE: Gissler AV Battery

OrderNo.: 2205384

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 17 sample(s) on 5/7/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-1

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:00:00 PM

Lab ID: 2205384-001

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	5/11/2022 8:22:10 PM	67403
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.2		mg/Kg	1	5/11/2022 4:41:33 AM	67346
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/11/2022 4:41:33 AM	67346
Surr: DNOP	64.6	51.1-141		%Rec	1	5/11/2022 4:41:33 AM	67346
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/10/2022 2:15:55 PM	67343
Surr: BFB	98.4	37.7-212		%Rec	1	5/10/2022 2:15:55 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/10/2022 2:15:55 PM	67343
Toluene	ND	0.050		mg/Kg	1	5/10/2022 2:15:55 PM	67343
Ethylbenzene	ND	0.050		mg/Kg	1	5/10/2022 2:15:55 PM	67343
Xylenes, Total	ND	0.10		mg/Kg	1	5/10/2022 2:15:55 PM	67343
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	5/10/2022 2:15:55 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-2

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:05:00 PM

Lab ID: 2205384-002

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	5/11/2022 8:34:35 PM	67403
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	5/11/2022 4:55:58 AM	67346
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/11/2022 4:55:58 AM	67346
Surr: DNOP	71.4	51.1-141		%Rec	1	5/11/2022 4:55:58 AM	67346
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/10/2022 3:26:34 PM	67343
Surr: BFB	97.4	37.7-212		%Rec	1	5/10/2022 3:26:34 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/10/2022 3:26:34 PM	67343
Toluene	ND	0.047		mg/Kg	1	5/10/2022 3:26:34 PM	67343
Ethylbenzene	ND	0.047		mg/Kg	1	5/10/2022 3:26:34 PM	67343
Xylenes, Total	ND	0.095		mg/Kg	1	5/10/2022 3:26:34 PM	67343
Surr: 4-Bromofluorobenzene	96.3	70-130		%Rec	1	5/10/2022 3:26:34 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-3

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:10:00 PM

Lab ID: 2205384-003

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	ND	60		mg/Kg	20	5/11/2022 8:47:00 PM	67403
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/10/2022 11:59:51 AM	67353
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/10/2022 11:59:51 AM	67353
Surr: DNOP	95.0	51.1-141		%Rec	1	5/10/2022 11:59:51 AM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/10/2022 5:48:03 PM	67343
Surr: BFB	96.7	37.7-212		%Rec	1	5/10/2022 5:48:03 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/10/2022 5:48:03 PM	67343
Toluene	ND	0.049		mg/Kg	1	5/10/2022 5:48:03 PM	67343
Ethylbenzene	ND	0.049		mg/Kg	1	5/10/2022 5:48:03 PM	67343
Xylenes, Total	ND	0.098		mg/Kg	1	5/10/2022 5:48:03 PM	67343
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	5/10/2022 5:48:03 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-1

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:15:00 PM

Lab ID: 2205384-004

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	110	60		mg/Kg	20	5/11/2022 8:59:25 PM	67403
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/10/2022 12:23:42 PM	67353
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/10/2022 12:23:42 PM	67353
Surr: DNOP	104	51.1-141		%Rec	1	5/10/2022 12:23:42 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/10/2022 6:11:37 PM	67343
Surr: BFB	95.4	37.7-212		%Rec	1	5/10/2022 6:11:37 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/10/2022 6:11:37 PM	67343
Toluene	ND	0.047		mg/Kg	1	5/10/2022 6:11:37 PM	67343
Ethylbenzene	ND	0.047		mg/Kg	1	5/10/2022 6:11:37 PM	67343
Xylenes, Total	ND	0.094		mg/Kg	1	5/10/2022 6:11:37 PM	67343
Surr: 4-Bromofluorobenzene	93.7	70-130		%Rec	1	5/10/2022 6:11:37 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-2

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:20:00 PM

Lab ID: 2205384-005

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	120	60		mg/Kg	20	5/11/2022 9:11:49 PM	67403
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/10/2022 12:47:34 PM	67353
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/10/2022 12:47:34 PM	67353
Surr: DNOP	93.0	51.1-141		%Rec	1	5/10/2022 12:47:34 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/10/2022 6:35:09 PM	67343
Surr: BFB	97.1	37.7-212		%Rec	1	5/10/2022 6:35:09 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/10/2022 6:35:09 PM	67343
Toluene	ND	0.048		mg/Kg	1	5/10/2022 6:35:09 PM	67343
Ethylbenzene	ND	0.048		mg/Kg	1	5/10/2022 6:35:09 PM	67343
Xylenes, Total	ND	0.097		mg/Kg	1	5/10/2022 6:35:09 PM	67343
Surr: 4-Bromofluorobenzene	94.9	70-130		%Rec	1	5/10/2022 6:35:09 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-4

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:25:00 PM

Lab ID: 2205384-006

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	87	60		mg/Kg	20	5/11/2022 3:12:10 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/10/2022 1:11:21 PM	67353
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/10/2022 1:11:21 PM	67353
Surr: DNOP	86.0	51.1-141		%Rec	1	5/10/2022 1:11:21 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/10/2022 6:58:40 PM	67343
Surr: BFB	97.3	37.7-212		%Rec	1	5/10/2022 6:58:40 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/10/2022 6:58:40 PM	67343
Toluene	ND	0.047		mg/Kg	1	5/10/2022 6:58:40 PM	67343
Ethylbenzene	ND	0.047		mg/Kg	1	5/10/2022 6:58:40 PM	67343
Xylenes, Total	ND	0.093		mg/Kg	1	5/10/2022 6:58:40 PM	67343
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	5/10/2022 6:58:40 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-5

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:30:00 PM

Lab ID: 2205384-007

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	160	60		mg/Kg	20	5/11/2022 3:49:11 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/10/2022 1:35:06 PM	67353
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/10/2022 1:35:06 PM	67353
Surr: DNOP	98.7	51.1-141		%Rec	1	5/10/2022 1:35:06 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/10/2022 7:22:15 PM	67343
Surr: BFB	95.6	37.7-212		%Rec	1	5/10/2022 7:22:15 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/10/2022 7:22:15 PM	67343
Toluene	ND	0.049		mg/Kg	1	5/10/2022 7:22:15 PM	67343
Ethylbenzene	ND	0.049		mg/Kg	1	5/10/2022 7:22:15 PM	67343
Xylenes, Total	ND	0.098		mg/Kg	1	5/10/2022 7:22:15 PM	67343
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	5/10/2022 7:22:15 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-6

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:35:00 PM

Lab ID: 2205384-008

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	66	60		mg/Kg	20	5/11/2022 4:26:12 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/10/2022 1:58:55 PM	67353
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/10/2022 1:58:55 PM	67353
Surr: DNOP	107	51.1-141		%Rec	1	5/10/2022 1:58:55 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/10/2022 7:45:46 PM	67343
Surr: BFB	98.2	37.7-212		%Rec	1	5/10/2022 7:45:46 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/10/2022 7:45:46 PM	67343
Toluene	ND	0.047		mg/Kg	1	5/10/2022 7:45:46 PM	67343
Ethylbenzene	ND	0.047		mg/Kg	1	5/10/2022 7:45:46 PM	67343
Xylenes, Total	ND	0.094		mg/Kg	1	5/10/2022 7:45:46 PM	67343
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	5/10/2022 7:45:46 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-3

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:40:00 PM

Lab ID: 2205384-009

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	69	60		mg/Kg	20	5/11/2022 4:38:33 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/10/2022 2:22:45 PM	67353
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/10/2022 2:22:45 PM	67353
Surr: DNOP	109	51.1-141		%Rec	1	5/10/2022 2:22:45 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/10/2022 8:09:14 PM	67343
Surr: BFB	97.4	37.7-212		%Rec	1	5/10/2022 8:09:14 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/10/2022 8:09:14 PM	67343
Toluene	ND	0.047		mg/Kg	1	5/10/2022 8:09:14 PM	67343
Ethylbenzene	ND	0.047		mg/Kg	1	5/10/2022 8:09:14 PM	67343
Xylenes, Total	ND	0.094		mg/Kg	1	5/10/2022 8:09:14 PM	67343
Surr: 4-Bromofluorobenzene	93.8	70-130		%Rec	1	5/10/2022 8:09:14 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-4

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:45:00 PM

Lab ID: 2205384-010

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	66	60		mg/Kg	20	5/11/2022 5:15:36 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/10/2022 2:46:45 PM	67353
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/10/2022 2:46:45 PM	67353
Surr: DNOP	78.5	51.1-141		%Rec	1	5/10/2022 2:46:45 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/10/2022 8:32:42 PM	67343
Surr: BFB	95.4	37.7-212		%Rec	1	5/10/2022 8:32:42 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/10/2022 8:32:42 PM	67343
Toluene	ND	0.048		mg/Kg	1	5/10/2022 8:32:42 PM	67343
Ethylbenzene	ND	0.048		mg/Kg	1	5/10/2022 8:32:42 PM	67343
Xylenes, Total	ND	0.095		mg/Kg	1	5/10/2022 8:32:42 PM	67343
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	1	5/10/2022 8:32:42 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-5

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:50:00 PM

Lab ID: 2205384-011

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	74	60		mg/Kg	20	5/11/2022 5:27:58 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	5/10/2022 3:10:24 PM	67353
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/10/2022 3:10:24 PM	67353
Surr: DNOP	108	51.1-141		%Rec	1	5/10/2022 3:10:24 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/10/2022 8:56:05 PM	67343
Surr: BFB	101	37.7-212		%Rec	1	5/10/2022 8:56:05 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/10/2022 8:56:05 PM	67343
Toluene	ND	0.050		mg/Kg	1	5/10/2022 8:56:05 PM	67343
Ethylbenzene	ND	0.050		mg/Kg	1	5/10/2022 8:56:05 PM	67343
Xylenes, Total	ND	0.10		mg/Kg	1	5/10/2022 8:56:05 PM	67343
Surr: 4-Bromofluorobenzene	96.5	70-130		%Rec	1	5/10/2022 8:56:05 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-6

Project: Gissler AV Battery

Collection Date: 5/4/2022 2:55:00 PM

Lab ID: 2205384-012

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	60	60		mg/Kg	20	5/11/2022 5:40:19 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/10/2022 3:34:09 PM	67353
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/10/2022 3:34:09 PM	67353
Surr: DNOP	76.9	51.1-141		%Rec	1	5/10/2022 3:34:09 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/10/2022 9:19:31 PM	67343
Surr: BFB	96.6	37.7-212		%Rec	1	5/10/2022 9:19:31 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/10/2022 9:19:31 PM	67343
Toluene	ND	0.048		mg/Kg	1	5/10/2022 9:19:31 PM	67343
Ethylbenzene	ND	0.048		mg/Kg	1	5/10/2022 9:19:31 PM	67343
Xylenes, Total	ND	0.095		mg/Kg	1	5/10/2022 9:19:31 PM	67343
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	5/10/2022 9:19:31 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-7

Project: Gissler AV Battery

Collection Date: 5/4/2022 3:00:00 PM

Lab ID: 2205384-013

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	120	60		mg/Kg	20	5/11/2022 5:52:40 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/10/2022 3:57:56 PM	67353
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/10/2022 3:57:56 PM	67353
Surr: DNOP	105	51.1-141		%Rec	1	5/10/2022 3:57:56 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/10/2022 10:30:06 PM	67343
Surr: BFB	98.3	37.7-212		%Rec	1	5/10/2022 10:30:06 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/10/2022 10:30:06 PM	67343
Toluene	ND	0.049		mg/Kg	1	5/10/2022 10:30:06 PM	67343
Ethylbenzene	ND	0.049		mg/Kg	1	5/10/2022 10:30:06 PM	67343
Xylenes, Total	ND	0.098		mg/Kg	1	5/10/2022 10:30:06 PM	67343
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	5/10/2022 10:30:06 PM	67343

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

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

## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-8

Project: Gissler AV Battery

Collection Date: 5/4/2022 3:05:00 PM

Lab ID: 2205384-014

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	ND	60		mg/Kg	20	5/11/2022 6:05:01 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/10/2022 4:21:47 PM	67353
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/10/2022 4:21:47 PM	67353
Surr: DNOP	107	51.1-141		%Rec	1	5/10/2022 4:21:47 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/10/2022 10:53:28 PM	67343
Surr: BFB	95.8	37.7-212		%Rec	1	5/10/2022 10:53:28 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/10/2022 10:53:28 PM	67343
Toluene	ND	0.047		mg/Kg	1	5/10/2022 10:53:28 PM	67343
Ethylbenzene	ND	0.047		mg/Kg	1	5/10/2022 10:53:28 PM	67343
Xylenes, Total	ND	0.094		mg/Kg	1	5/10/2022 10:53:28 PM	67343
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	5/10/2022 10:53:28 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-9

Project: Gissler AV Battery

Collection Date: 5/4/2022 3:10:00 PM

Lab ID: 2205384-015

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	210	60		mg/Kg	20	5/11/2022 6:17:22 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/10/2022 4:45:40 PM	67353
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/10/2022 4:45:40 PM	67353
Surr: DNOP	88.0	51.1-141		%Rec	1	5/10/2022 4:45:40 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/10/2022 11:16:51 PM	67343
Surr: BFB	96.2	37.7-212		%Rec	1	5/10/2022 11:16:51 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/10/2022 11:16:51 PM	67343
Toluene	ND	0.048		mg/Kg	1	5/10/2022 11:16:51 PM	67343
Ethylbenzene	ND	0.048		mg/Kg	1	5/10/2022 11:16:51 PM	67343
Xylenes, Total	ND	0.096		mg/Kg	1	5/10/2022 11:16:51 PM	67343
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	5/10/2022 11:16:51 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-10

Project: Gissler AV Battery

Collection Date: 5/4/2022 3:15:00 PM

Lab ID: 2205384-016

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	96	60		mg/Kg	20	5/11/2022 6:29:42 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/10/2022 5:09:35 PM	67353
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/10/2022 5:09:35 PM	67353
Surr: DNOP	76.8	51.1-141		%Rec	1	5/10/2022 5:09:35 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/10/2022 11:40:17 PM	67343
Surr: BFB	95.0	37.7-212		%Rec	1	5/10/2022 11:40:17 PM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/10/2022 11:40:17 PM	67343
Toluene	ND	0.047		mg/Kg	1	5/10/2022 11:40:17 PM	67343
Ethylbenzene	ND	0.047		mg/Kg	1	5/10/2022 11:40:17 PM	67343
Xylenes, Total	ND	0.094		mg/Kg	1	5/10/2022 11:40:17 PM	67343
Surr: 4-Bromofluorobenzene	95.6	70-130		%Rec	1	5/10/2022 11:40:17 PM	67343

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

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

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## Analytical Report

Lab Order 2205384

Date Reported: 5/16/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-11

Project: Gissler AV Battery

Collection Date: 5/4/2022 3:20:00 PM

Lab ID: 2205384-017

Matrix: SOIL

Received Date: 5/7/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	98	60		mg/Kg	20	5/11/2022 6:42:04 PM	67404
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/10/2022 5:33:30 PM	67353
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/10/2022 5:33:30 PM	67353
Surr: DNOP	88.1	51.1-141		%Rec	1	5/10/2022 5:33:30 PM	67353
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/11/2022 12:03:42 AM	67343
Surr: BFB	94.7	37.7-212		%Rec	1	5/11/2022 12:03:42 AM	67343
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/11/2022 12:03:42 AM	67343
Toluene	ND	0.047		mg/Kg	1	5/11/2022 12:03:42 AM	67343
Ethylbenzene	ND	0.047		mg/Kg	1	5/11/2022 12:03:42 AM	67343
Xylenes, Total	ND	0.093		mg/Kg	1	5/11/2022 12:03:42 AM	67343
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	5/11/2022 12:03:42 AM	67343

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

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

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

WO#: 2205384

16-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-67403</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67403</b>	RunNo: <b>87903</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/11/2022</b>	SeqNo: <b>3116758</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67403</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67403</b>	RunNo: <b>87903</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/11/2022</b>	SeqNo: <b>3116759</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.1	90	110			

Sample ID: <b>MB-67404</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67404</b>	RunNo: <b>87928</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/11/2022</b>	SeqNo: <b>3116886</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67404</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67404</b>	RunNo: <b>87928</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/11/2022</b>	SeqNo: <b>3116887</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

**Qualifiers:**

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

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

WO#: 2205384

16-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-67353</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67353</b>	RunNo: <b>87866</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3113305</b> Units: <b>mg/Kg</b>								
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		101	51.1	141			

Sample ID: <b>LCS-67353</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67353</b>	RunNo: <b>87866</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3113306</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	93.6	68.9	135			
Surr: DNOP	4.7		5.000		93.8	51.1	141			

Sample ID: <b>2205384-003AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>SW-3</b>	Batch ID: <b>67353</b>	RunNo: <b>87866</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3115669</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	34	9.7	48.50	0	70.5	36.1	154			
Surr: DNOP	2.8		4.850		57.2	51.1	141			

Sample ID: <b>2205384-003AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>SW-3</b>	Batch ID: <b>67353</b>	RunNo: <b>87866</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3115671</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	9.5	47.71	0	94.8	36.1	154	27.8	33.9	
Surr: DNOP	3.9		4.771		81.3	51.1	141	0	0	

Sample ID: <b>MB-67327</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67327</b>	RunNo: <b>87866</b>								
Prep Date: <b>5/6/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3115674</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		104	51.1	141			

Sample ID: <b>LCS-67327</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67327</b>	RunNo: <b>87866</b>								
Prep Date: <b>5/6/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3115675</b> Units: <b>%Rec</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

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

WO#: 2205384

16-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>LCS-67327</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67327</b>		RunNo: <b>87866</b>							
Prep Date: <b>5/6/2022</b>	Analysis Date: <b>5/10/2022</b>		SeqNo: <b>3115675</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.8		5.000		96.5	51.1	141			

Sample ID: <b>MB-67314</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67314</b>		RunNo: <b>87864</b>							
Prep Date: <b>5/6/2022</b>	Analysis Date: <b>5/10/2022</b>		SeqNo: <b>3116791</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		102	51.1	141			

Sample ID: <b>LCS-67314</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67314</b>		RunNo: <b>87864</b>							
Prep Date: <b>5/6/2022</b>	Analysis Date: <b>5/10/2022</b>		SeqNo: <b>3116792</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.9		5.000		98.0	51.1	141			

Sample ID: <b>MB-67346</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67346</b>		RunNo: <b>87864</b>							
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>		SeqNo: <b>3116815</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.4	51.1	141			

Sample ID: <b>LCS-67346</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67346</b>		RunNo: <b>87864</b>							
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>		SeqNo: <b>3116816</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	38	10	50.00	0	75.1	68.9	135			
Surr: DNOP	3.8		5.000		76.4	51.1	141			

**Qualifiers:**

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

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

WO#: 2205384

16-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-67343</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67343</b>	RunNo: <b>87865</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3114293</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	990		1000		99.2	37.7	212			

Sample ID: <b>lcs-67343</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67343</b>	RunNo: <b>87865</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3114294</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	95.0	72.3	137			
Surr: BFB	2100		1000		211	37.7	212			

Sample ID: <b>2205384-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SW-1</b>	Batch ID: <b>67343</b>	RunNo: <b>87865</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3114296</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.9	24.27	0	103	70	130			
Surr: BFB	2200		970.9		223	37.7	212			S

Sample ID: <b>2205384-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>SW-1</b>	Batch ID: <b>67343</b>	RunNo: <b>87865</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3114297</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.9	24.44	0	99.0	70	130	3.43	20	
Surr: BFB	2200		977.5		222	37.7	212	0	0	S

**Qualifiers:**

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

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

WO#: 2205384

16-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-67343</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67343</b>	RunNo: <b>87865</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3114333</b> Units: <b>mg/Kg</b>								
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	0.97		1.000		97.0	70	130			

Sample ID: <b>LCS-67343</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67343</b>	RunNo: <b>87865</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3114334</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	84.1	80	120			
Toluene	0.89	0.050	1.000	0	89.4	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.2	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.3	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: <b>2205384-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SW-2</b>	Batch ID: <b>67343</b>	RunNo: <b>87865</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3114337</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9833	0	94.2	68.8	120			
Toluene	1.0	0.049	0.9833	0	101	73.6	124			
Ethylbenzene	1.0	0.049	0.9833	0	103	72.7	129			
Xylenes, Total	3.0	0.098	2.950	0	103	75.7	126			
Surr: 4-Bromofluorobenzene	0.96		0.9833		97.3	70	130			

Sample ID: <b>2205384-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SW-2</b>	Batch ID: <b>67343</b>	RunNo: <b>87865</b>								
Prep Date: <b>5/9/2022</b>	Analysis Date: <b>5/10/2022</b>	SeqNo: <b>3114338</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.98	0.025	0.9911	0	98.4	68.8	120	5.18	20	
Toluene	1.0	0.050	0.9911	0	105	73.6	124	4.11	20	
Ethylbenzene	1.1	0.050	0.9911	0	109	72.7	129	6.47	20	
Xylenes, Total	3.2	0.099	2.973	0	109	75.7	126	6.55	20	
Surr: 4-Bromofluorobenzene	0.98		0.9911		98.7	70	130	0	0	

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: **GHD Midland**Work Order Number: **2205384**RcptNo: **1**Received By: **Cheyenne Cason** 5/7/2022 7:50:00 AMCompleted By: **Cheyenne Cason** 5/7/2022 8:17:41 AMReviewed By: *js 5/9/22**Chad**Chad*

### Chain of Custody

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

### Log In

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

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by *CM 5/7/22*

### Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good	Not Present			

**Chain-of-Custody Record**

Client: GHD

Turn-Around Time:

☒ Standard☐ Rush

S-L

Project Name:

Project #:

112563391

4901 Hawkins NE - Albuquerque, NM 87109

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

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

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

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 4.9 - 0.1 = 4.8

Container Type and #

Preservative Type

HEAL No.

2265384

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

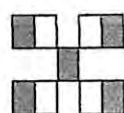
Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride Method 300


**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

www.hallenvironmental.com

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 <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
05/24/22	1400	S	SLD-1	1		001											
1405			SLD-2	1		002											
1410			SLD-3	1		003											
1415			BH-1	1		004											
1420			BH-2	1		005											
1425			SLD-4	1		006											
1430			SLD-5	1		007											
1435			SLD-6	1		008											
1440			BH-3	1		009											
1445			BH-4	1		010											
1450			BH-5	1		011											
1455			BH-6	1		012											
05/24/22	0800																
05/24/22	1900																

Date: Time: Relinquished by: Received by: Via: Date: Time

Date: Time: Relinquished by: Received by: Via: Date: Time

Date: Time: Relinquished by: Received by: Via: Date: Time

Remarks: Please email: Chase\_Settle@eogresources.com;

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

Matthew.Laughlin@ghd.com;

Amber.Griffin@eogresources.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.

## Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

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

Turn-Around Time:

☒ Standard☒ Rush

Project #:

112563591

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 4.9-0.1 = 4.8

Container Type and #

Preservative Type

HEAL No.

2205384

013

014

015

016

017

018

019

020

021

022

023

024

025

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027

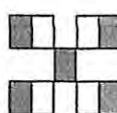
028

029

030

031

032

HALL ENVIRONMENTAL  
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request:

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<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>  
8260 (VOA)  
8270 (Semi-VOA)  
Total Coliform (Present/Absent)  
Chloride Method 300

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	Remarks
05/22	1500	S	BH-7	1		2205384	
05/22	1505		BH-8	1		013	
05/22	1510		BH-9	1		014	
05/22	1515		BH-10	1		015	
05/22	1520		BH-11	1		016	
05/22	1525					017	
05/22	1530					018	
05/22	1535					019	
05/22	1540					020	
05/22	1545					021	
05/22	1550					022	
05/22	1555					023	
05/22	1600					024	
05/22	1605					025	
05/22	1610					026	
05/22	1615					027	
05/22	1620					028	
05/22	1625					029	
05/22	1630					030	
05/22	1635					031	
05/22	1640					032	
05/22	1645					033	
05/22	1650					034	
05/22	1655					035	
05/22	1700					036	
05/22	1705					037	
05/22	1710					038	
05/22	1715					039	
05/22	1720					040	
05/22	1725					041	
05/22	1730					042	
05/22	1735					043	
05/22	1740					044	
05/22	1745					045	
05/22	1750					046	
05/22	1755					047	
05/22	1800					048	
05/22	1805					049	
05/22	1810					050	
05/22	1815					051	
05/22	1820					052	
05/22	1825					053	
05/22	1830					054	
05/22	1835					055	
05/22	1840					056	
05/22	1845					057	
05/22	1850					058	
05/22	1855					059	
05/22	1900					060	

Remarks: Please email: Chase\_Settle@eogresources.com;

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

Matthew.Laughlin@ghd.com;

Amber.Griffin@eogresources.com; Along with Becky

Haskell listed above.

Direct BH to EOG Chase Settle

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



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

May 24, 2022

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

RE: Gissler AV Tank Battery

OrderNo.: 2205491

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 12 sample(s) on 5/11/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-12

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 8:00:00 AM

Lab ID: 2205491-001

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	930	60		mg/Kg	20	5/13/2022 4:09:34 AM	67438
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/12/2022 10:36:05 AM	67420
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/12/2022 10:36:05 AM	67420
Surr: DNOP	91.5	51.1-141		%Rec	1	5/12/2022 10:36:05 AM	67420
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/12/2022 9:27:39 AM	67413
Surr: BFB	100	37.7-212		%Rec	1	5/12/2022 9:27:39 AM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/12/2022 9:27:39 AM	67413
Toluene	ND	0.049		mg/Kg	1	5/12/2022 9:27:39 AM	67413
Ethylbenzene	ND	0.049		mg/Kg	1	5/12/2022 9:27:39 AM	67413
Xylenes, Total	ND	0.098		mg/Kg	1	5/12/2022 9:27:39 AM	67413
Surr: 4-Bromofluorobenzene	94.6	70-130		%Rec	1	5/12/2022 9:27:39 AM	67413

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

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

Page 1 of 17

## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-13

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 8:30:00 AM

Lab ID: 2205491-002

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1200	150		mg/Kg	50	5/16/2022 1:06:50 PM	67438
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/12/2022 10:50:11 AM	67420
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/12/2022 10:50:11 AM	67420
Surr: DNOP	76.1	51.1-141		%Rec	1	5/12/2022 10:50:11 AM	67420
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/12/2022 10:38:25 AM	67413
Surr: BFB	101	37.7-212		%Rec	1	5/12/2022 10:38:25 AM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/12/2022 10:38:25 AM	67413
Toluene	ND	0.049		mg/Kg	1	5/12/2022 10:38:25 AM	67413
Ethylbenzene	ND	0.049		mg/Kg	1	5/12/2022 10:38:25 AM	67413
Xylenes, Total	ND	0.099		mg/Kg	1	5/12/2022 10:38:25 AM	67413
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	5/12/2022 10:38:25 AM	67413

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

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

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## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-14

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 8:40:00 AM

Lab ID: 2205491-003

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2000	60		mg/Kg	20	5/13/2022 4:59:13 AM	67438
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/12/2022 11:04:07 AM	67420
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/12/2022 11:04:07 AM	67420
Surr: DNOP	91.4	51.1-141		%Rec	1	5/12/2022 11:04:07 AM	67420
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/12/2022 11:48:54 AM	67413
Surr: BFB	98.5	37.7-212		%Rec	1	5/12/2022 11:48:54 AM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/12/2022 11:48:54 AM	67413
Toluene	ND	0.048		mg/Kg	1	5/12/2022 11:48:54 AM	67413
Ethylbenzene	ND	0.048		mg/Kg	1	5/12/2022 11:48:54 AM	67413
Xylenes, Total	ND	0.096		mg/Kg	1	5/12/2022 11:48:54 AM	67413
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	5/12/2022 11:48:54 AM	67413

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

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

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## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-15

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 9:00:00 AM

Lab ID: 2205491-004

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	5700	300		mg/Kg	100	5/16/2022 6:19:49 PM	67451
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/12/2022 11:46:32 AM	67420
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/12/2022 11:46:32 AM	67420
Surr: DNOP	60.6	51.1-141		%Rec	1	5/12/2022 11:46:32 AM	67420
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/12/2022 12:12:28 PM	67413
Surr: BFB	97.5	37.7-212		%Rec	1	5/12/2022 12:12:28 PM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/12/2022 12:12:28 PM	67413
Toluene	ND	0.050		mg/Kg	1	5/12/2022 12:12:28 PM	67413
Ethylbenzene	ND	0.050		mg/Kg	1	5/12/2022 12:12:28 PM	67413
Xylenes, Total	ND	0.10		mg/Kg	1	5/12/2022 12:12:28 PM	67413
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	5/12/2022 12:12:28 PM	67413

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

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

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## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-16

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 9:30:00 AM

Lab ID: 2205491-005

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1100	60		mg/Kg	20	5/13/2022 12:09:19 PM	67451
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/16/2022 1:36:40 PM	67420
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/16/2022 1:36:40 PM	67420
Surr: DNOP	88.7	51.1-141		%Rec	1	5/16/2022 1:36:40 PM	67420
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/12/2022 12:35:50 PM	67413
Surr: BFB	97.3	37.7-212		%Rec	1	5/12/2022 12:35:50 PM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/12/2022 12:35:50 PM	67413
Toluene	ND	0.049		mg/Kg	1	5/12/2022 12:35:50 PM	67413
Ethylbenzene	ND	0.049		mg/Kg	1	5/12/2022 12:35:50 PM	67413
Xylenes, Total	ND	0.098		mg/Kg	1	5/12/2022 12:35:50 PM	67413
Surr: 4-Bromofluorobenzene	95.4	70-130		%Rec	1	5/12/2022 12:35:50 PM	67413

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

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

Page 5 of 17

## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-17

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 10:00:00 AM

Lab ID: 2205491-006

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	2500	150		mg/Kg	50	5/16/2022 6:32:14 PM	67451
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/16/2022 2:00:27 PM	67420
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/16/2022 2:00:27 PM	67420
Surr: DNOP	88.1	51.1-141		%Rec	1	5/16/2022 2:00:27 PM	67420
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/12/2022 12:59:13 PM	67413
Surr: BFB	98.0	37.7-212		%Rec	1	5/12/2022 12:59:13 PM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/12/2022 12:59:13 PM	67413
Toluene	ND	0.049		mg/Kg	1	5/12/2022 12:59:13 PM	67413
Ethylbenzene	ND	0.049		mg/Kg	1	5/12/2022 12:59:13 PM	67413
Xylenes, Total	ND	0.099		mg/Kg	1	5/12/2022 12:59:13 PM	67413
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	5/12/2022 12:59:13 PM	67413

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

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

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## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-7

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 10:30:00 AM

Lab ID: 2205491-007

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	5/13/2022 12:58:58 PM	67451
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/16/2022 2:24:17 PM	67420
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/16/2022 2:24:17 PM	67420
Surr: DNOP	84.5	51.1-141		%Rec	1	5/16/2022 2:24:17 PM	67420
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/12/2022 1:22:35 PM	67413
Surr: BFB	95.3	37.7-212		%Rec	1	5/12/2022 1:22:35 PM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/12/2022 1:22:35 PM	67413
Toluene	ND	0.048		mg/Kg	1	5/12/2022 1:22:35 PM	67413
Ethylbenzene	ND	0.048		mg/Kg	1	5/12/2022 1:22:35 PM	67413
Xylenes, Total	ND	0.097		mg/Kg	1	5/12/2022 1:22:35 PM	67413
Surr: 4-Bromofluorobenzene	94.3	70-130		%Rec	1	5/12/2022 1:22:35 PM	67413

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

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

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## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-8

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 11:00:00 AM

Lab ID: 2205491-008

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	300	60		mg/Kg	20	5/13/2022 1:11:23 PM	67451
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/19/2022 12:56:07 PM	67555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/19/2022 12:56:07 PM	67555
Surr: DNOP	54.9	51.1-141		%Rec	1	5/19/2022 12:56:07 PM	67555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/12/2022 1:45:57 PM	67413
Surr: BFB	93.8	37.7-212		%Rec	1	5/12/2022 1:45:57 PM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/12/2022 1:45:57 PM	67413
Toluene	ND	0.049		mg/Kg	1	5/12/2022 1:45:57 PM	67413
Ethylbenzene	ND	0.049		mg/Kg	1	5/12/2022 1:45:57 PM	67413
Xylenes, Total	ND	0.098		mg/Kg	1	5/12/2022 1:45:57 PM	67413
Surr: 4-Bromofluorobenzene	94.0	70-130		%Rec	1	5/12/2022 1:45:57 PM	67413

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

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

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## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-9

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 11:15:00 AM

Lab ID: 2205491-009

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	420	60		mg/Kg	20	5/13/2022 1:23:48 PM	67451
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/19/2022 1:20:00 PM	67555
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/19/2022 1:20:00 PM	67555
Surr: DNOP	58.9	51.1-141		%Rec	1	5/19/2022 1:20:00 PM	67555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/12/2022 2:09:19 PM	67413
Surr: BFB	95.7	37.7-212		%Rec	1	5/12/2022 2:09:19 PM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/12/2022 2:09:19 PM	67413
Toluene	ND	0.047		mg/Kg	1	5/12/2022 2:09:19 PM	67413
Ethylbenzene	ND	0.047		mg/Kg	1	5/12/2022 2:09:19 PM	67413
Xylenes, Total	ND	0.094		mg/Kg	1	5/12/2022 2:09:19 PM	67413
Surr: 4-Bromofluorobenzene	95.2	70-130		%Rec	1	5/12/2022 2:09:19 PM	67413

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

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

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## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-10

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 11:45:00 AM

Lab ID: 2205491-010

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	310	60		mg/Kg	20	5/13/2022 1:36:13 PM	67451
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/19/2022 1:43:45 PM	67420
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/19/2022 1:43:45 PM	67420
Surr: DNOP	55.5	51.1-141		%Rec	1	5/19/2022 1:43:45 PM	67420
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/12/2022 2:32:39 PM	67413
Surr: BFB	96.2	37.7-212		%Rec	1	5/12/2022 2:32:39 PM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/12/2022 2:32:39 PM	67413
Toluene	ND	0.049		mg/Kg	1	5/12/2022 2:32:39 PM	67413
Ethylbenzene	ND	0.049		mg/Kg	1	5/12/2022 2:32:39 PM	67413
Xylenes, Total	ND	0.097		mg/Kg	1	5/12/2022 2:32:39 PM	67413
Surr: 4-Bromofluorobenzene	96.0	70-130		%Rec	1	5/12/2022 2:32:39 PM	67413

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

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

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## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-11

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 12:30:00 PM

Lab ID: 2205491-011

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	350	61		mg/Kg	20	5/13/2022 1:48:38 PM	67451
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.3		mg/Kg	1	5/16/2022 3:59:45 PM	67420
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	5/16/2022 3:59:45 PM	67420
Surr: DNOP	37.0	51.1-141	S	%Rec	1	5/16/2022 3:59:45 PM	67420
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/12/2022 3:42:50 PM	67413
Surr: BFB	98.8	37.7-212		%Rec	1	5/12/2022 3:42:50 PM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/12/2022 3:42:50 PM	67413
Toluene	ND	0.047		mg/Kg	1	5/12/2022 3:42:50 PM	67413
Ethylbenzene	ND	0.047		mg/Kg	1	5/12/2022 3:42:50 PM	67413
Xylenes, Total	ND	0.094		mg/Kg	1	5/12/2022 3:42:50 PM	67413
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	5/12/2022 3:42:50 PM	67413

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

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

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## Analytical Report

Lab Order 2205491

Date Reported: 5/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-12

Project: Gissler AV Tank Battery

Collection Date: 5/9/2022 1:00:00 PM

Lab ID: 2205491-012

Matrix: SOIL

Received Date: 5/11/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	300	60		mg/Kg	20	5/13/2022 2:01:03 PM	67451
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/19/2022 2:31:35 PM	67555
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/19/2022 2:31:35 PM	67555
Surr: DNOP	51.7	51.1-141		%Rec	1	5/19/2022 2:31:35 PM	67555
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/12/2022 4:06:17 PM	67413
Surr: BFB	98.2	37.7-212		%Rec	1	5/12/2022 4:06:17 PM	67413
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/12/2022 4:06:17 PM	67413
Toluene	ND	0.049		mg/Kg	1	5/12/2022 4:06:17 PM	67413
Ethylbenzene	ND	0.049		mg/Kg	1	5/12/2022 4:06:17 PM	67413
Xylenes, Total	ND	0.098		mg/Kg	1	5/12/2022 4:06:17 PM	67413
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	5/12/2022 4:06:17 PM	67413

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

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

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

WO#: 2205491

25-May-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67438</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67438</b>		RunNo: <b>87937</b>							
Prep Date: <b>5/12/2022</b>	Analysis Date: <b>5/12/2022</b>		SeqNo: <b>3118019</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67438</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67438</b>		RunNo: <b>87937</b>							
Prep Date: <b>5/12/2022</b>	Analysis Date: <b>5/12/2022</b>		SeqNo: <b>3118020</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.4	90	110			

Sample ID: <b>MB-67451</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67451</b>		RunNo: <b>87973</b>							
Prep Date: <b>5/13/2022</b>	Analysis Date: <b>5/13/2022</b>		SeqNo: <b>3120035</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67451</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67451</b>		RunNo: <b>87973</b>							
Prep Date: <b>5/13/2022</b>	Analysis Date: <b>5/13/2022</b>		SeqNo: <b>3120036</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.5	90	110			

**Qualifiers:**

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

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

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

WO#: 2205491

25-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67420</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67420</b>	RunNo: <b>87994</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3119160</b> Units: <b>mg/Kg</b>								
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		96.4	51.1	141			

Sample ID: <b>LCS-67420</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67420</b>	RunNo: <b>87994</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3119161</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	45	10	50.00	0	90.6	68.9	135			
Surr: DNOP	4.5		5.000		89.1	51.1	141			

Sample ID: <b>2205491-003AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-14</b>	Batch ID: <b>67420</b>	RunNo: <b>87994</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3119165</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	9.8	48.88	0	93.5	36.1	154			
Surr: DNOP	3.2		4.888		65.1	51.1	141			

Sample ID: <b>2205491-003AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-14</b>	Batch ID: <b>67420</b>	RunNo: <b>87994</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3119166</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	9.1	45.75	0	88.1	36.1	154	12.5	33.9	
Surr: DNOP	2.6		4.575		55.9	51.1	141	0	0	

Sample ID: <b>MB-67555</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67555</b>	RunNo: <b>88197</b>								
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>	SeqNo: <b>3126723</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.4		10.00		84.3	51.1	141			

**Qualifiers:**

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

QC SUMMARY REPORT  
Hall Environmental Analysis Laboratory, Inc.

WO#: 2205491  
25-May-22

Client: GHD Midland  
Project: Gissler AV Tank Battery

Sample ID: LCS-67555	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67555	RunNo: 88197								
Prep Date: 5/18/2022	Analysis Date: 5/19/2022	SeqNo: 3126724		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.6	64.4	127			
Surr: DNOP	4.1		5.000		81.6	51.1	141			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2205491

25-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67413</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67413</b>	RunNo: <b>87958</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3117705</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	940		1000		94.1	37.7	212			

Sample ID: <b>lcs-67413</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67413</b>	RunNo: <b>87958</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3117706</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	72.3	137			
Surr: BFB	2000		1000		198	37.7	212			

Sample ID: <b>2205491-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BH-12</b>	Batch ID: <b>67413</b>	RunNo: <b>87958</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3117708</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.68	0	112	70	130			
Surr: BFB	2200		987.2		219	37.7	212			S

Sample ID: <b>2205491-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BH-12</b>	Batch ID: <b>67413</b>	RunNo: <b>87958</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3117709</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	23.76	0	106	70	130	9.46	20	
Surr: BFB	2000		950.6		212	37.7	212	0	0	S

**Qualifiers:**

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

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

WO#: 2205491

25-May-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67413</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67413</b>	RunNo: <b>87958</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3117742</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		92.0	70	130			

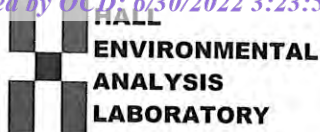
Sample ID: <b>LCS-67413</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67413</b>	RunNo: <b>87958</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3117743</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.84	0.025	1.000	0	83.9	80	120			
Toluene	0.90	0.050	1.000	0	89.6	80	120			
Ethylbenzene	0.90	0.050	1.000	0	90.5	80	120			
Xylenes, Total	2.7	0.10	3.000	0	90.7	80	120			
Surr: 4-Bromofluorobenzene	0.97		1.000		97.4	70	130			

Sample ID: <b>2205491-002ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-13</b>	Batch ID: <b>67413</b>	RunNo: <b>87958</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3117746</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	0.9814	0	97.6	68.8	120			
Toluene	1.0	0.049	0.9814	0.01351	104	73.6	124			
Ethylbenzene	1.1	0.049	0.9814	0	109	72.7	129			
Xylenes, Total	3.2	0.098	2.944	0.01854	107	75.7	126			
Surr: 4-Bromofluorobenzene	0.95		0.9814		97.3	70	130			

Sample ID: <b>2205491-002amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-13</b>	Batch ID: <b>67413</b>	RunNo: <b>87958</b>								
Prep Date: <b>5/11/2022</b>	Analysis Date: <b>5/12/2022</b>	SeqNo: <b>3117747</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	0.9823	0	94.3	68.8	120	3.42	20	
Toluene	0.99	0.049	0.9823	0.01351	99.6	73.6	124	4.16	20	
Ethylbenzene	1.0	0.049	0.9823	0	104	72.7	129	4.28	20	
Xylenes, Total	3.1	0.098	2.947	0.01854	104	75.7	126	2.85	20	
Surr: 4-Bromofluorobenzene	0.97		0.9823		98.6	70	130	0	0	

**Qualifiers:**

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



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

# Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2205491

RcptNo: 1

Received By: Juan Rojas 5/11/2022 7:15:00 AM

Completed By: Desiree Dominguez 5/11/2022 8:36:57 AM

Reviewed By: CMC 5/11/22

## Chain of Custody

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

## Log In

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

# of preserved  
bottles checked  
for pH:

(<2 or >12 unless noted)

Adjusted? \_\_\_\_\_

Checked by: Jnglul/22

## Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

## 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.4	Good				

## Chain-of-Custody Record

Client: GHD

Turn-Around Time: ☒ Standard ☒ Rush 5-day

Project Name: Gissler AV Tech Bldg

Project #: 12563391

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)

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.
08/22	0800	S	BH-12	Ju		2205491
	0830		BH-13			-001
	0840		BH-14			-002
	0900		BH-15			-003
	0930		BH-16			-004
	1000		BH-17			-005
	1030		SW-7			-006
	1100		SW-8			-007
	1115		SW-9			-008
	1145		SW-10			-009
	1230		SW-11			-010
	1300		SW-12			-011
						-012

Relinquished by: Zach Comino Date: 5/12/22 Time: 800

Relinquished by: Adams Date: 5/14/22 Time: 7:15



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

BTEX / MTBE / TMBs (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCBs	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO <sub>3</sub> , NO <sub>2</sub> , PO <sub>4</sub> , SO <sub>4</sub>	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Remarks: Please email: Chase\_Settle@eogresources.com;  
Tom.Larson@ghd.com; Zach.Comino@ghd.com  
Matthew.Laughlin@ghd.com;  
Amber\_Griffin@eogresources.com; Along with Becky  
Haskell listed above.

Direct Bill to EOG-Chase Settle

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



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

May 19, 2022

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

RE: Gissler AV Tank Battery

OrderNo.: 2205565

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 2 sample(s) on 5/12/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205565

Date Reported: 5/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-13

Project: Gissler AV Tank Battery

Collection Date: 5/10/2022 1:00:00 PM

Lab ID: 2205565-001

Matrix: SOIL

Received Date: 5/12/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	990	61		mg/Kg	20	5/16/2022 5:30:09 PM	67476
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	150	9.9		mg/Kg	1	5/16/2022 11:37:43 AM	67445
Motor Oil Range Organics (MRO)	200	50		mg/Kg	1	5/16/2022 11:37:43 AM	67445
Surr: DNOP	58.4	51.1-141		%Rec	1	5/16/2022 11:37:43 AM	67445
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/13/2022 5:19:29 PM	67437
Surr: BFB	99.5	37.7-212		%Rec	1	5/13/2022 5:19:29 PM	67437
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/13/2022 5:19:29 PM	67437
Toluene	ND	0.050		mg/Kg	1	5/13/2022 5:19:29 PM	67437
Ethylbenzene	ND	0.050		mg/Kg	1	5/13/2022 5:19:29 PM	67437
Xylenes, Total	ND	0.099		mg/Kg	1	5/13/2022 5:19:29 PM	67437
Surr: 4-Bromofluorobenzene	94.5	70-130		%Rec	1	5/13/2022 5:19:29 PM	67437

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

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

## Analytical Report

Lab Order 2205565

Date Reported: 5/19/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-14

Project: Gissler AV Tank Battery

Collection Date: 5/10/2022 1:30:00 PM

Lab ID: 2205565-002

Matrix: SOIL

Received Date: 5/12/2022 7:50:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	1600	60		mg/Kg	20	5/16/2022 5:42:34 PM	67476
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	48	9.6		mg/Kg	1	5/16/2022 12:25:16 PM	67445
Motor Oil Range Organics (MRO)	56	48		mg/Kg	1	5/16/2022 12:25:16 PM	67445
Surr: DNOP	84.1	51.1-141		%Rec	1	5/16/2022 12:25:16 PM	67445
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/13/2022 5:42:56 PM	67437
Surr: BFB	106	37.7-212		%Rec	1	5/13/2022 5:42:56 PM	67437
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.024		mg/Kg	1	5/13/2022 5:42:56 PM	67437
Toluene	ND	0.049		mg/Kg	1	5/13/2022 5:42:56 PM	67437
Ethylbenzene	ND	0.049		mg/Kg	1	5/13/2022 5:42:56 PM	67437
Xylenes, Total	ND	0.098		mg/Kg	1	5/13/2022 5:42:56 PM	67437
Surr: 4-Bromofluorobenzene	97.1	70-130		%Rec	1	5/13/2022 5:42:56 PM	67437

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

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

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

WO#: 2205565

19-May-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67476</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67476</b>	RunNo: <b>88022</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/16/2022</b>	SeqNo: <b>3121392</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67476</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67476</b>	RunNo: <b>88022</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/16/2022</b>	SeqNo: <b>3121394</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.2	90	110			

**Qualifiers:**

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

Page 3 of 5

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

WO#: 2205565

19-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67437</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67437</b>	RunNo: <b>87967</b>								
Prep Date: <b>5/12/2022</b>	Analysis Date: <b>5/13/2022</b>	SeqNo: <b>3119095</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.3	37.7	212			

Sample ID: <b>lcs-67437</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67437</b>	RunNo: <b>87967</b>								
Prep Date: <b>5/12/2022</b>	Analysis Date: <b>5/13/2022</b>	SeqNo: <b>3119096</b>	Units: <b>mg/Kg</b>							
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	72.3	137			
Surr: BFB	2100		1000		210	37.7	212			

**Qualifiers:**

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

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

WO#: 2205565

19-May-22

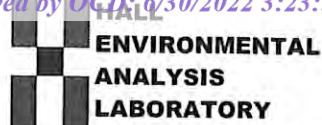
**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67437</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67437</b>	RunNo: <b>87967</b>								
Prep Date: <b>5/12/2022</b>	Analysis Date: <b>5/13/2022</b>	SeqNo: <b>3119121</b>	Units: <b>mg/Kg</b>							
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	0.97		1.000		96.5	70	130			

Sample ID: <b>LCS-67437</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67437</b>	RunNo: <b>87967</b>								
Prep Date: <b>5/12/2022</b>	Analysis Date: <b>5/13/2022</b>	SeqNo: <b>3119122</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	1.000	0	80.1	80	120			
Toluene	0.86	0.050	1.000	0	85.8	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.0	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.8	80	120			
Surr: 4-Bromofluorobenzene	0.99		1.000		99.4	70	130			

**Qualifiers:**

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



## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2205565

RcptNo: 1

Received By: Sean Livingston

5/12/2022 7:50:00 AM

Completed By: Sean Livingston

5/12/2022 8:27:10 AM

Reviewed By: *[Signature]* 5-12-22*[Signature]**[Signature]*Chain of Custody

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

Log In

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

# of preserved  
bottles checked  
for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted? \_\_\_\_\_

Checked by: *gms/12/22*Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

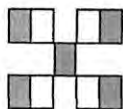
Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	4.9	Good				

[illegible]

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.

~~Direct Bill to EOC 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

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

[illegible]

Remarks: Please email: Chase_Settle@eogresources.com;
---

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

Matthew.Laughlin@ghd.com;

Amber\_Griffin@eogresources.com: Along with Becky Haskell listed above.



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

May 25, 2022

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

RE: Gissler A Tank Battery

OrderNo.: 2205627

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 7 sample(s) on 5/13/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205627

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-18

Project: Gissler A Tank Battery

Collection Date: 5/11/2022 10:10:00 AM

Lab ID: 2205627-001

Matrix: SOIL

Received Date: 5/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	1700	60		mg/Kg	20	5/17/2022 4:37:00 PM	67510
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	25	9.9		mg/Kg	1	5/17/2022 10:16:49 PM	67478
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/17/2022 10:16:49 PM	67478
Surr: DNOP	54.8	51.1-141		%Rec	1	5/17/2022 10:16:49 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/16/2022 2:23:42 PM	67457
Surr: BFB	96.9	37.7-212		%Rec	1	5/16/2022 2:23:42 PM	67457
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/16/2022 2:23:42 PM	67457
Toluene	ND	0.050		mg/Kg	1	5/16/2022 2:23:42 PM	67457
Ethylbenzene	ND	0.050		mg/Kg	1	5/16/2022 2:23:42 PM	67457
Xylenes, Total	ND	0.10		mg/Kg	1	5/16/2022 2:23:42 PM	67457
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	5/16/2022 2:23:42 PM	67457

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

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

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## Analytical Report

Lab Order 2205627

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-19

Project: Gissler A Tank Battery

Collection Date: 5/11/2022 10:30:00 AM

Lab ID: 2205627-002

Matrix: SOIL

Received Date: 5/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	820	60		mg/Kg	20	5/17/2022 4:49:24 PM	67510
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	68	10		mg/Kg	1	5/17/2022 11:18:00 PM	67478
Motor Oil Range Organics (MRO)	52	50		mg/Kg	1	5/17/2022 11:18:00 PM	67478
Surr: DNOP	60.5	51.1-141		%Rec	1	5/17/2022 11:18:00 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/16/2022 3:34:32 PM	67457
Surr: BFB	99.2	37.7-212		%Rec	1	5/16/2022 3:34:32 PM	67457
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/16/2022 3:34:32 PM	67457
Toluene	ND	0.049		mg/Kg	1	5/16/2022 3:34:32 PM	67457
Ethylbenzene	ND	0.049		mg/Kg	1	5/16/2022 3:34:32 PM	67457
Xylenes, Total	ND	0.097		mg/Kg	1	5/16/2022 3:34:32 PM	67457
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	5/16/2022 3:34:32 PM	67457

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

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

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## Analytical Report

Lab Order 2205627

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-20

Project: Gissler A Tank Battery

Collection Date: 5/11/2022 10:45:00 AM

Lab ID: 2205627-003

Matrix: SOIL

Received Date: 5/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	230	60		mg/Kg	20	5/17/2022 5:01:48 PM	67510
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/17/2022 11:48:20 PM	67478
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/17/2022 11:48:20 PM	67478
Surr: DNOP	63.0	51.1-141		%Rec	1	5/17/2022 11:48:20 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/16/2022 3:58:06 PM	67457
Surr: BFB	98.0	37.7-212		%Rec	1	5/16/2022 3:58:06 PM	67457
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/16/2022 3:58:06 PM	67457
Toluene	ND	0.049		mg/Kg	1	5/16/2022 3:58:06 PM	67457
Ethylbenzene	ND	0.049		mg/Kg	1	5/16/2022 3:58:06 PM	67457
Xylenes, Total	ND	0.098		mg/Kg	1	5/16/2022 3:58:06 PM	67457
Surr: 4-Bromofluorobenzene	95.5	70-130		%Rec	1	5/16/2022 3:58:06 PM	67457

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

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

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## Analytical Report

Lab Order 2205627

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-21

Project: Gissler A Tank Battery

Collection Date: 5/11/2022 11:00:00 AM

Lab ID: 2205627-004

Matrix: SOIL

Received Date: 5/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	680	60		mg/Kg	20	5/17/2022 5:10:22 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	13	9.7		mg/Kg	1	5/20/2022 7:03:23 PM	67478
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/20/2022 7:03:23 PM	67478
Surr: DNOP	93.5	51.1-141		%Rec	1	5/20/2022 7:03:23 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/16/2022 4:21:43 PM	67457
Surr: BFB	97.4	37.7-212		%Rec	1	5/16/2022 4:21:43 PM	67457
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/16/2022 4:21:43 PM	67457
Toluene	ND	0.047		mg/Kg	1	5/16/2022 4:21:43 PM	67457
Ethylbenzene	ND	0.047		mg/Kg	1	5/16/2022 4:21:43 PM	67457
Xylenes, Total	ND	0.094		mg/Kg	1	5/16/2022 4:21:43 PM	67457
Surr: 4-Bromofluorobenzene	94.1	70-130		%Rec	1	5/16/2022 4:21:43 PM	67457

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

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

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## Analytical Report

Lab Order 2205627

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-22

Project: Gissler A Tank Battery

Collection Date: 5/11/2022 11:15:00 AM

Lab ID: 2205627-005

Matrix: SOIL

Received Date: 5/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	440	60		mg/Kg	20	5/17/2022 5:47:37 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	10		mg/Kg	1	5/20/2022 7:27:15 PM	67478
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/20/2022 7:27:15 PM	67478
Surr: DNOP	94.4	51.1-141		%Rec	1	5/20/2022 7:27:15 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/16/2022 4:45:18 PM	67457
Surr: BFB	98.5	37.7-212		%Rec	1	5/16/2022 4:45:18 PM	67457
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/16/2022 4:45:18 PM	67457
Toluene	ND	0.048		mg/Kg	1	5/16/2022 4:45:18 PM	67457
Ethylbenzene	ND	0.048		mg/Kg	1	5/16/2022 4:45:18 PM	67457
Xylenes, Total	ND	0.097		mg/Kg	1	5/16/2022 4:45:18 PM	67457
Surr: 4-Bromofluorobenzene	94.8	70-130		%Rec	1	5/16/2022 4:45:18 PM	67457

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

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

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## Analytical Report

Lab Order 2205627

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-23

Project: Gissler A Tank Battery

Collection Date: 5/11/2022 12:00:00 PM

Lab ID: 2205627-006

Matrix: SOIL

Received Date: 5/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	370	60		mg/Kg	20	5/17/2022 6:00:02 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/20/2022 7:51:05 PM	67478
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/20/2022 7:51:05 PM	67478
Surr: DNOP	91.5	51.1-141		%Rec	1	5/20/2022 7:51:05 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/16/2022 6:19:50 PM	67457
Surr: BFB	103	37.7-212		%Rec	1	5/16/2022 6:19:50 PM	67457
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/16/2022 6:19:50 PM	67457
Toluene	ND	0.050		mg/Kg	1	5/16/2022 6:19:50 PM	67457
Ethylbenzene	ND	0.050		mg/Kg	1	5/16/2022 6:19:50 PM	67457
Xylenes, Total	ND	0.099		mg/Kg	1	5/16/2022 6:19:50 PM	67457
Surr: 4-Bromofluorobenzene	98.0	70-130		%Rec	1	5/16/2022 6:19:50 PM	67457

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

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

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## Analytical Report

Lab Order 2205627

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-15

Project: Gissler A Tank Battery

Collection Date: 5/11/2022 12:20:00 PM

Lab ID: 2205627-007

Matrix: SOIL

Received Date: 5/13/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	ND	60		mg/Kg	20	5/17/2022 6:12:27 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/20/2022 8:14:50 PM	67478
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/20/2022 8:14:50 PM	67478
Surr: DNOP	76.6	51.1-141		%Rec	1	5/20/2022 8:14:50 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/16/2022 6:43:22 PM	67457
Surr: BFB	101	37.7-212		%Rec	1	5/16/2022 6:43:22 PM	67457
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/16/2022 6:43:22 PM	67457
Toluene	ND	0.050		mg/Kg	1	5/16/2022 6:43:22 PM	67457
Ethylbenzene	ND	0.050		mg/Kg	1	5/16/2022 6:43:22 PM	67457
Xylenes, Total	ND	0.10		mg/Kg	1	5/16/2022 6:43:22 PM	67457
Surr: 4-Bromofluorobenzene	97.2	70-130		%Rec	1	5/16/2022 6:43:22 PM	67457

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

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

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

WO#: 2205627

25-May-22

**Client:** GHD Midland  
**Project:** Gissler A Tank Battery

Sample ID: <b>MB-67520</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67520</b>		RunNo: <b>88048</b>							
Prep Date: <b>5/17/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122279</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67520</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67520</b>		RunNo: <b>88048</b>							
Prep Date: <b>5/17/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122280</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: <b>MB-67510</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67510</b>		RunNo: <b>88055</b>							
Prep Date: <b>5/17/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122338</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67510</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67510</b>		RunNo: <b>88055</b>							
Prep Date: <b>5/17/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122339</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.4	90	110			

**Qualifiers:**

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

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

WO#: 2205627

25-May-22

**Client:** GHD Midland  
**Project:** Gissler A Tank Battery

Sample ID: <b>MB-67478</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67478</b>	RunNo: <b>88059</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126729</b> Units: <b>mg/Kg</b>								
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	5.3		10.00		52.6	51.1	141			

Sample ID: <b>LCS-67478</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67478</b>	RunNo: <b>88059</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126730</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	79.6	64.4	127			
Surr: DNOP	2.8		5.000		55.7	51.1	141			

Sample ID: <b>2205627-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-18</b>	Batch ID: <b>67478</b>	RunNo: <b>88059</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126731</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	41	9.8	49.16	25.03	32.7	36.1	154			S
Surr: DNOP	2.5		4.916		50.9	51.1	141			S

Sample ID: <b>2205627-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-18</b>	Batch ID: <b>67478</b>	RunNo: <b>88059</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126733</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	9.9	49.50	25.03	36.7	36.1	154	5.01	33.9	
Surr: DNOP	2.3		4.950		47.2	51.1	141	0	0	S

**Qualifiers:**

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

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

WO#: 2205627

25-May-22

**Client:** GHD Midland  
**Project:** Gissler A Tank Battery

Sample ID: <b>mb-67457</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67457</b>		RunNo: <b>88023</b>							
Prep Date: <b>5/13/2022</b>	Analysis Date: <b>5/16/2022</b>		SeqNo: <b>3120460</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.9	37.7	212			

Sample ID: <b>lcs-67457</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67457</b>		RunNo: <b>88023</b>							
Prep Date: <b>5/13/2022</b>	Analysis Date: <b>5/16/2022</b>		SeqNo: <b>3120528</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	72.3	137			
Surr: BFB	2100		1000		206	37.7	212			

**Qualifiers:**

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

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

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

WO#: 2205627

25-May-22

**Client:** GHD Midland  
**Project:** Gissler A Tank Battery

Sample ID: <b>mb-67457</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67457</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/13/2022</b>	Analysis Date: <b>5/16/2022</b>	SeqNo: <b>3120505</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.3	70	130			

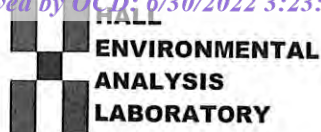
Sample ID: <b>2205627-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-18</b>	Batch ID: <b>67457</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/13/2022</b>	Analysis Date: <b>5/16/2022</b>	SeqNo: <b>3120508</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	0.9990	0	80.7	68.8	120			
Toluene	0.87	0.050	0.9990	0	86.8	73.6	124			
Ethylbenzene	0.89	0.050	0.9990	0	88.6	72.7	129			
Xylenes, Total	2.7	0.10	2.997	0	88.9	75.7	126			
Surr: 4-Bromofluorobenzene	0.97		0.9990		97.0	70	130			

Sample ID: <b>2205627-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-18</b>	Batch ID: <b>67457</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/13/2022</b>	Analysis Date: <b>5/16/2022</b>	SeqNo: <b>3120509</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.78	0.025	0.9921	0	78.6	68.8	120	3.28	20	
Toluene	0.84	0.050	0.9921	0	85.0	73.6	124	2.75	20	
Ethylbenzene	0.87	0.050	0.9921	0	87.7	72.7	129	1.72	20	
Xylenes, Total	2.6	0.099	2.976	0	88.4	75.7	126	1.24	20	
Surr: 4-Bromofluorobenzene	0.97		0.9921		97.5	70	130	0	0	

Sample ID: <b>lcs-67457</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67457</b>	RunNo: <b>88033</b>								
Prep Date: <b>5/13/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3121632</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.85	0.025	1.000	0	85.1	80	120			
Toluene	0.87	0.050	1.000	0	87.3	80	120			
Ethylbenzene	0.87	0.050	1.000	0	86.8	80	120			
Xylenes, Total	2.6	0.10	3.000	0	85.6	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		89.9	70	130			

**Qualifiers:**

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



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

## Sample Log-In Check List

Client Name: GHD

Work Order Number: 2205627

RcptNo: 1

Received By: Juan Rojas

5/13/2022 7:15:00 AM

*Juan Rojas*

Completed By: Tracy Casarrubias

5/13/2022 8:33:03 AM

Reviewed By: *ju 5/13/22*Chain of Custody

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

Log In

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

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *KPU 5.13.22*

Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good	Yes			

## Chain-of-Custody Record

Client: GHD

Turn-Around Time:

☒ Standard ☒ Rush 5-day

Project Name:

Mailing Address:

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

Phone #: (505)377-4218

email or Fax#: [Becky.Haskell@ghd.com](mailto:Becky.Haskell@ghd.com)

QA/QC Package:

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

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 0.3 to 2.5

Date	Time	Matrix	Sample Name
05/10/22	1010	S	BH-18
	1036		BH-19
	1045		BH-20
	1100		BH-21
	1115		BH-22
	1200		BH-23
	1220		SW-15

Container Type and #

Preservative Type

HEAL No.

7705627

001

002

003

004

005

006

007

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<sub>3</sub>, PO<sub>4</sub>, SO<sub>4</sub>

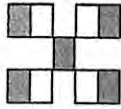
8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride Method 300

## Analysis Request



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Remarks: Please email: Chase\_Settle@eogresources.com;

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

Matthew.Laughlin@ghd.com;

Amber\_Griffin@eogresources.com: Along with Becky

Haskell listed above.

Direct Bill to EOG Chase Settle

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



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

May 25, 2022

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

RE: Gissler AV Tank Battery

OrderNo.: 2205672

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 21 sample(s) on 5/14/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-16

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 7:15:00 AM

Lab ID: 2205672-001

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	83	61		mg/Kg	20	5/17/2022 6:49:41 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/17/2022 3:54:37 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/17/2022 3:54:37 PM	67479
Surr: DNOP	80.4	51.1-141		%Rec	1	5/17/2022 3:54:37 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Surr: BFB	92.5	37.7-212		%Rec	1	5/17/2022 1:22:37 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	5/17/2022 1:22:37 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-17

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 7:30:00 AM

Lab ID: 2205672-002

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	66	60		mg/Kg	20	5/17/2022 7:02:06 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 11:34:04 AM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 11:34:04 AM	67479
Surr: DNOP	76.2	51.1-141		%Rec	1	5/18/2022 11:34:04 AM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Surr: BFB	97.0	37.7-212		%Rec	1	5/17/2022 2:32:51 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	5/17/2022 2:32:51 AM	67462

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

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

Page 2 of 28

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-18

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 7:45:00 AM

Lab ID: 2205672-003

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	140	60		mg/Kg	20	5/17/2022 7:14:30 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 11:58:16 AM	67479
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/18/2022 11:58:16 AM	67479
Surr: DNOP	83.7	51.1-141		%Rec	1	5/18/2022 11:58:16 AM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Surr: BFB	96.7	37.7-212		%Rec	1	5/17/2022 2:56:12 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	5/17/2022 2:56:12 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-19

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:00:00 AM

Lab ID: 2205672-004

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	110	60		mg/Kg	20	5/17/2022 7:26:55 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/18/2022 12:22:23 PM	67479
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2022 12:22:23 PM	67479
Surr: DNOP	82.0	51.1-141		%Rec	1	5/18/2022 12:22:23 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Surr: BFB	96.1	37.7-212		%Rec	1	5/17/2022 3:19:48 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Xylenes, Total	ND	0.098		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	5/17/2022 3:19:48 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-20

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:15:00 AM

Lab ID: 2205672-005

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	5/17/2022 7:39:20 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/18/2022 12:46:35 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 12:46:35 PM	67479
Surr: DNOP	81.8	51.1-141		%Rec	1	5/18/2022 12:46:35 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Surr: BFB	94.0	37.7-212		%Rec	1	5/17/2022 3:43:26 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	5/17/2022 3:43:26 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-21

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:20:00 AM

Lab ID: 2205672-006

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	78	60		mg/Kg	20	5/17/2022 8:16:34 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 1:10:50 PM	67479
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/18/2022 1:10:50 PM	67479
Surr: DNOP	77.8	51.1-141		%Rec	1	5/18/2022 1:10:50 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Surr: BFB	94.7	37.7-212		%Rec	1	5/17/2022 4:07:07 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Toluene	ND	0.048		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Ethylbenzene	ND	0.048		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	5/17/2022 4:07:07 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-22

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:30:00 AM

Lab ID: 2205672-007

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	100	60		mg/Kg	20	5/17/2022 8:53:48 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/18/2022 1:35:01 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 1:35:01 PM	67479
Surr: DNOP	79.2	51.1-141		%Rec	1	5/18/2022 1:35:01 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Surr: BFB	96.0	37.7-212		%Rec	1	5/17/2022 4:30:47 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	5/17/2022 4:30:47 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-23

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:45:00 AM

Lab ID: 2205672-008

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	200	60		mg/Kg	20	5/17/2022 9:06:13 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/18/2022 6:03:27 PM	67479
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2022 6:03:27 PM	67479
Surr: DNOP	78.9	51.1-141		%Rec	1	5/18/2022 6:03:27 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Surr: BFB	91.0	37.7-212		%Rec	1	5/17/2022 4:39:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	5/17/2022 4:39:00 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-24

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 9:00:00 AM

Lab ID: 2205672-009

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	110	60		mg/Kg	20	5/17/2022 9:18:38 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 6:27:39 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 6:27:39 PM	67479
Surr: DNOP	74.0	51.1-141		%Rec	1	5/18/2022 6:27:39 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Surr: BFB	94.6	37.7-212		%Rec	1	5/17/2022 4:59:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Xylenes, Total	ND	0.098		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	5/17/2022 4:59:00 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-24

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 9:15:00 AM

Lab ID: 2205672-010

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	410	60		mg/Kg	20	5/17/2022 9:31:02 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	200	9.8		mg/Kg	1	5/18/2022 6:51:51 PM	67479
Motor Oil Range Organics (MRO)	110	49		mg/Kg	1	5/18/2022 6:51:51 PM	67479
Surr: DNOP	89.2	51.1-141		%Rec	1	5/18/2022 6:51:51 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Surr: BFB	90.3	37.7-212		%Rec	1	5/17/2022 5:19:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	5/17/2022 5:19:00 AM	67462

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

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

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-25

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 9:30:00 AM

Lab ID: 2205672-011

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	5700	300		mg/Kg	100	5/18/2022 11:41:11 AM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	240	48		mg/Kg	5	5/19/2022 4:56:31 PM	67479
Motor Oil Range Organics (MRO)	260	240		mg/Kg	5	5/19/2022 4:56:31 PM	67479
Surr: DNOP	89.0	51.1-141		%Rec	5	5/19/2022 4:56:31 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Surr: BFB	90.4	37.7-212		%Rec	1	5/17/2022 5:38:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	5/17/2022 5:38:00 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-26

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 9:45:00 AM

Lab ID: 2205672-012

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	860	60		mg/Kg	20	5/17/2022 9:55:51 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 7:40:09 PM	67479
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/18/2022 7:40:09 PM	67479
Surr: DNOP	90.3	51.1-141		%Rec	1	5/18/2022 7:40:09 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Surr: BFB	89.5	37.7-212		%Rec	1	5/17/2022 5:58:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Toluene	ND	0.048		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Ethylbenzene	ND	0.048		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	5/17/2022 5:58:00 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-27

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 10:00:00 AM

Lab ID: 2205672-013

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1900	61		mg/Kg	20	5/17/2022 10:08:16 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/18/2022 8:04:17 PM	67479
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/18/2022 8:04:17 PM	67479
Surr: DNOP	131	51.1-141		%Rec	1	5/18/2022 8:04:17 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Surr: BFB	88.7	37.7-212		%Rec	1	5/17/2022 2:24:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	5/17/2022 2:24:00 PM	67462

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

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

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-28

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 10:15:00 AM

Lab ID: 2205672-014

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	3000	150		mg/Kg	50	5/18/2022 11:53:32 AM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	2800	97		mg/Kg	10	5/18/2022 8:28:23 PM	67479
Motor Oil Range Organics (MRO)	1600	480		mg/Kg	10	5/18/2022 8:28:23 PM	67479
Surr: DNOP	0	51.1-141	S	%Rec	10	5/18/2022 8:28:23 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Surr: BFB	91.3	37.7-212		%Rec	5	5/17/2022 2:44:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Toluene	ND	0.24		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Ethylbenzene	ND	0.24		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Xylenes, Total	ND	0.49		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	5	5/17/2022 2:44:00 PM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-29

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 10:30:00 AM

Lab ID: 2205672-015

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	3100	150		mg/Kg	50	5/18/2022 12:05:53 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	240	49		mg/Kg	5	5/19/2022 4:09:00 PM	67479
Motor Oil Range Organics (MRO)	380	240		mg/Kg	5	5/19/2022 4:09:00 PM	67479
Surr: DNOP	86.4	51.1-141		%Rec	5	5/19/2022 4:09:00 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Surr: BFB	83.4	37.7-212		%Rec	1	5/17/2022 3:03:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Toluene	ND	0.048		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Ethylbenzene	ND	0.048		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	1	5/17/2022 3:03:00 PM	67462

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

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

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-30

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 10:45:00 AM

Lab ID: 2205672-016

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2100	150		mg/Kg	50	5/19/2022 12:55:57 PM	67539
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	21	9.6		mg/Kg	1	5/18/2022 10:05:28 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 10:05:28 PM	67479
Surr: DNOP	109	51.1-141		%Rec	1	5/18/2022 10:05:28 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Surr: BFB	84.6	37.7-212		%Rec	1	5/17/2022 3:23:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Toluene	ND	0.048		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Ethylbenzene	ND	0.048		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	5/17/2022 3:23:00 PM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-31

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 11:00:00 AM

Lab ID: 2205672-017

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1800	59		mg/Kg	20	5/18/2022 6:16:17 PM	67539
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	26	9.6		mg/Kg	1	5/18/2022 10:30:00 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 10:30:00 PM	67479
Surr: DNOP	89.6	51.1-141		%Rec	1	5/18/2022 10:30:00 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Surr: BFB	86.5	37.7-212		%Rec	1	5/17/2022 3:43:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Xylenes, Total	ND	0.10		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	5/17/2022 3:43:00 PM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-32

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 12:00:00 PM

Lab ID: 2205672-018

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1400	60		mg/Kg	20	5/18/2022 6:28:37 PM	67539
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/18/2022 11:18:46 PM	67479
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2022 11:18:46 PM	67479
Surr: DNOP	97.1	51.1-141		%Rec	1	5/18/2022 11:18:46 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Surr: BFB	89.3	37.7-212		%Rec	1	5/17/2022 4:03:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	5/17/2022 4:03:00 PM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-33

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 12:15:00 PM

Lab ID: 2205672-019

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	3000	150		mg/Kg	50	5/19/2022 1:08:22 PM	67539
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	98	9.7		mg/Kg	1	5/18/2022 11:43:19 PM	67479
Motor Oil Range Organics (MRO)	110	49		mg/Kg	1	5/18/2022 11:43:19 PM	67479
Surr: DNOP	51.2	51.1-141		%Rec	1	5/18/2022 11:43:19 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Surr: BFB	93.3	37.7-212		%Rec	1	5/17/2022 8:01:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	5/17/2022 8:01:00 PM	67462

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

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

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-25

Project: Gissler AV Tank Battery

Collection Date: 5/13/2022 7:00:00 AM

Lab ID: 2205672-020

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	73	60		mg/Kg	20	5/19/2022 7:57:19 PM	67579
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/20/2022 9:26:22 PM	67478
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/20/2022 9:26:22 PM	67478
Surr: DNOP	85.4	51.1-141		%Rec	1	5/20/2022 9:26:22 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Surr: BFB	95.8	37.7-212		%Rec	1	5/17/2022 4:23:00 PM	67463
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Toluene	ND	0.050		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Xylenes, Total	ND	0.10		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	5/17/2022 4:23:00 PM	67463

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

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

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-26

Project: Gissler AV Tank Battery

Collection Date: 5/13/2022 7:15:00 AM

Lab ID: 2205672-021

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	110	60		mg/Kg	20	5/19/2022 8:09:40 PM	67579
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	110	9.9		mg/Kg	1	5/20/2022 6:15:36 PM	67478
Motor Oil Range Organics (MRO)	280	50		mg/Kg	1	5/20/2022 6:15:36 PM	67478
Surr: DNOP	94.9	51.1-141		%Rec	1	5/20/2022 6:15:36 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Surr: BFB	89.2	37.7-212		%Rec	1	5/17/2022 5:22:00 PM	67463
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Toluene	ND	0.049		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	5/17/2022 5:22:00 PM	67463

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

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

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

WO#: 2205672

25-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67520</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67520</b>		RunNo: <b>88048</b>							
Prep Date: <b>5/17/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122279</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67520</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67520</b>		RunNo: <b>88048</b>							
Prep Date: <b>5/17/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122280</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: <b>MB-67539</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67539</b>		RunNo: <b>88117</b>							
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/18/2022</b>		SeqNo: <b>3123927</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67539</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67539</b>		RunNo: <b>88117</b>							
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/18/2022</b>		SeqNo: <b>3123928</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Sample ID: <b>MB-67579</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67579</b>		RunNo: <b>88138</b>							
Prep Date: <b>5/19/2022</b>	Analysis Date: <b>5/19/2022</b>		SeqNo: <b>3125317</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67579</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67579</b>		RunNo: <b>88138</b>							
Prep Date: <b>5/19/2022</b>	Analysis Date: <b>5/19/2022</b>		SeqNo: <b>3125318</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

**Qualifiers:**

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

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

WO#: 2205672

25-May-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67479</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67479</b>	RunNo: <b>88196</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126699</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		81.0	51.1	141			

Sample ID: <b>2205672-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>SW-16</b>	Batch ID: <b>67479</b>	RunNo: <b>88196</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126701</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.8	49.02	0	97.4	36.1	154			
Surr: DNOP	3.7		4.902		74.9	51.1	141			

Sample ID: <b>2205672-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>SW-16</b>	Batch ID: <b>67479</b>	RunNo: <b>88196</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126702</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.3	46.64	0	93.5	36.1	154	9.13	33.9	
Surr: DNOP	3.4		4.664		73.3	51.1	141	0	0	

Sample ID: <b>LCS-67479</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67479</b>	RunNo: <b>88196</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126703</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.6	64.4	127			
Surr: DNOP	3.7		5.000		74.0	51.1	141			

Sample ID: <b>MB-67478</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67478</b>	RunNo: <b>88059</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126729</b> Units: <b>mg/Kg</b>								
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	5.3		10.00		52.6	51.1	141			

**Qualifiers:**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205672

25-May-22

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: LCS-67478	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67478	RunNo: 88059								
Prep Date: 5/16/2022	Analysis Date: 5/17/2022	SeqNo: 3126730 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	79.6	64.4	127			
Surr: DNOP	2.8		5.000		55.7	51.1	141			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2205672

25-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67462</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67462</b>		RunNo: <b>88023</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3120483</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.8	37.7	212			

Sample ID: <b>lcs-67462</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67462</b>		RunNo: <b>88023</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/16/2022</b>		SeqNo: <b>3120484</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.8	72.3	137			
Surr: BFB	2000		1000		203	37.7	212			

Sample ID: <b>lcs-67463</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3121609</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	72.3	137			
Surr: BFB	1900		1000		189	37.7	212			

Sample ID: <b>mb-67463</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3121610</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.6	37.7	212			

Sample ID: <b>2205672-020ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>SW-25</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122134</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.85	0	94.8	70	130			
Surr: BFB	2000		994.0		201	37.7	212			

Sample ID: <b>2205672-020amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>SW-25</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122135</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205672

25-May-22

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: 2205672-020amsd		SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: SW-25		Batch ID: 67463			RunNo: 88053					
Prep Date: 5/14/2022		Analysis Date: 5/17/2022			SeqNo: 3122135		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	24.95	0	101	70	130	7.21	20	
Surr: BFB	2000		998.0		204	37.7	212	0	0	

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 26 of 28

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

WO#: 2205672

25-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67462</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67462</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3120516</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.9	70	130			

Sample ID: <b>LCS-67462</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67462</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/16/2022</b>	SeqNo: <b>3120517</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	1.000	0	80.4	80	120			
Toluene	0.86	0.050	1.000	0	86.2	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.4	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.7	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	70	130			

Sample ID: <b>2205672-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SW-16</b>	Batch ID: <b>67462</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3120520</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	0.9833	0	82.2	68.8	120			
Toluene	0.90	0.049	0.9833	0	91.9	73.6	124			
Ethylbenzene	0.94	0.049	0.9833	0	95.4	72.7	129			
Xylenes, Total	2.8	0.098	2.950	0	94.8	75.7	126			
Surr: 4-Bromofluorobenzene	0.91		0.9833		93.0	70	130			

Sample ID: <b>2205672-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SW-16</b>	Batch ID: <b>67462</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3120521</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	0.9823	0	81.3	68.8	120	1.15	20	
Toluene	0.88	0.049	0.9823	0	89.8	73.6	124	2.34	20	
Ethylbenzene	0.91	0.049	0.9823	0	92.6	72.7	129	3.14	20	
Xylenes, Total	2.7	0.098	2.947	0	92.7	75.7	126	2.41	20	
Surr: 4-Bromofluorobenzene	0.94		0.9823		96.1	70	130	0	0	

**Qualifiers:**

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

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

WO#: 2205672

25-May-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>ics-67463</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3121613</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.4	80	120			
Toluene	0.94	0.050	1.000	0	94.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.4	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.8	70	130			

Sample ID: <b>mb-67463</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3121614</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	70	130			

Sample ID: <b>2205672-021ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>SW-26</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122168</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9766	0	89.2	68.8	120			
Toluene	0.92	0.049	0.9766	0	94.3	73.6	124			
Ethylbenzene	0.94	0.049	0.9766	0	96.0	72.7	129			
Xylenes, Total	2.8	0.098	2.930	0	95.2	75.7	126			
Surr: 4-Bromofluorobenzene	0.87		0.9766		89.4	70	130			

Sample ID: <b>2205672-021amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>SW-26</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122169</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9950	0	85.9	68.8	120	1.85	20	
Toluene	0.89	0.050	0.9950	0	89.9	73.6	124	2.88	20	
Ethylbenzene	0.90	0.050	0.9950	0	90.3	72.7	129	4.26	20	
Xylenes, Total	2.7	0.10	2.985	0	89.0	75.7	126	4.84	20	
Surr: 4-Bromofluorobenzene	0.85		0.9950		85.8	70	130	0	0	

**Qualifiers:**

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



**ENVIRONMENTAL  
ANALYSIS  
LABORATORY**

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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2205672

RcptNo: 1

Received By: Sean Livingston 5/14/2022 9:45:00 AM

Completed By: Sean Livingston 5/14/2022 10:07:48 AM

Reviewed By: *See 5/14/22*

*See Log*  
*See Log*

### Chain of Custody

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

### Log In

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

# of preserved  
bottles checked  
for pH:

( $\leq 2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *See 5/14/22*

### Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.9	Good				

## Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

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

Turn-Around Time:

☒ StandardProject Name: Rush S-2

Project Manager:

Cissler AU Zach Buttey

Project #:

12-563391

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including OF): 5.9 to 1 = 5.900

Container Type and #

Preservative Type

HEAL No.

2205672001002003004005006007008009010011012013014015016017018019020021022023024025026027028029030031032033034035036037038039040041042043044045046047048049050051052053054055056057058059060061062063064065066067068069070071072073074075076077078079080081082083084085086087088089090091092093094095096097098099100101102103104105106107108109110111112113114115116117118119120121122123124125126127128129130131132133134135136137138139140141142143144145146147148149150151152153154155156157158159160161162163164165166167168169170171172173174175176177178179180181182183184185186187188189190191192193194195196197198199200201202203204205206207208209210211212213214215216217218219220221222223224225226227228229230231232233234235236237238239240241242243244245246247248249250251252253254255256257258259260261262263264265266267268269270271272273274275276277278279280281282283284285286287288289290291292293294295296297298299300301302





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

May 25, 2022

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

RE: Gissler AV Tank Battery

OrderNo.: 2205672

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 21 sample(s) on 5/14/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-16

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 7:15:00 AM

Lab ID: 2205672-001

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	83	61		mg/Kg	20	5/17/2022 6:49:41 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/17/2022 3:54:37 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/17/2022 3:54:37 PM	67479
Surr: DNOP	80.4	51.1-141		%Rec	1	5/17/2022 3:54:37 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Surr: BFB	92.5	37.7-212		%Rec	1	5/17/2022 1:22:37 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 1:22:37 AM	67462
Surr: 4-Bromofluorobenzene	90.7	70-130		%Rec	1	5/17/2022 1:22:37 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-17

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 7:30:00 AM

Lab ID: 2205672-002

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	66	60		mg/Kg	20	5/17/2022 7:02:06 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 11:34:04 AM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 11:34:04 AM	67479
Surr: DNOP	76.2	51.1-141		%Rec	1	5/18/2022 11:34:04 AM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Surr: BFB	97.0	37.7-212		%Rec	1	5/17/2022 2:32:51 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 2:32:51 AM	67462
Surr: 4-Bromofluorobenzene	93.5	70-130		%Rec	1	5/17/2022 2:32:51 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-18

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 7:45:00 AM

Lab ID: 2205672-003

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	140	60		mg/Kg	20	5/17/2022 7:14:30 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 11:58:16 AM	67479
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/18/2022 11:58:16 AM	67479
Surr: DNOP	83.7	51.1-141		%Rec	1	5/18/2022 11:58:16 AM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Surr: BFB	96.7	37.7-212		%Rec	1	5/17/2022 2:56:12 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 2:56:12 AM	67462
Surr: 4-Bromofluorobenzene	91.8	70-130		%Rec	1	5/17/2022 2:56:12 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-19

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:00:00 AM

Lab ID: 2205672-004

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	110	60		mg/Kg	20	5/17/2022 7:26:55 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/18/2022 12:22:23 PM	67479
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2022 12:22:23 PM	67479
Surr: DNOP	82.0	51.1-141		%Rec	1	5/18/2022 12:22:23 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Surr: BFB	96.1	37.7-212		%Rec	1	5/17/2022 3:19:48 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Xylenes, Total	ND	0.098		mg/Kg	1	5/17/2022 3:19:48 AM	67462
Surr: 4-Bromofluorobenzene	91.2	70-130		%Rec	1	5/17/2022 3:19:48 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-20

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:15:00 AM

Lab ID: 2205672-005

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	5/17/2022 7:39:20 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/18/2022 12:46:35 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 12:46:35 PM	67479
Surr: DNOP	81.8	51.1-141		%Rec	1	5/18/2022 12:46:35 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Surr: BFB	94.0	37.7-212		%Rec	1	5/17/2022 3:43:26 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 3:43:26 AM	67462
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	5/17/2022 3:43:26 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-21

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:20:00 AM

Lab ID: 2205672-006

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	78	60		mg/Kg	20	5/17/2022 8:16:34 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 1:10:50 PM	67479
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/18/2022 1:10:50 PM	67479
Surr: DNOP	77.8	51.1-141		%Rec	1	5/18/2022 1:10:50 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Surr: BFB	94.7	37.7-212		%Rec	1	5/17/2022 4:07:07 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Toluene	ND	0.048		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Ethylbenzene	ND	0.048		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 4:07:07 AM	67462
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	5/17/2022 4:07:07 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-22

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:30:00 AM

Lab ID: 2205672-007

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	100	60		mg/Kg	20	5/17/2022 8:53:48 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/18/2022 1:35:01 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 1:35:01 PM	67479
Surr: DNOP	79.2	51.1-141		%Rec	1	5/18/2022 1:35:01 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Surr: BFB	96.0	37.7-212		%Rec	1	5/17/2022 4:30:47 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 4:30:47 AM	67462
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	5/17/2022 4:30:47 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-23

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 8:45:00 AM

Lab ID: 2205672-008

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	200	60		mg/Kg	20	5/17/2022 9:06:13 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/18/2022 6:03:27 PM	67479
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2022 6:03:27 PM	67479
Surr: DNOP	78.9	51.1-141		%Rec	1	5/18/2022 6:03:27 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Surr: BFB	91.0	37.7-212		%Rec	1	5/17/2022 4:39:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 4:39:00 AM	67462
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	5/17/2022 4:39:00 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-24

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 9:00:00 AM

Lab ID: 2205672-009

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	110	60		mg/Kg	20	5/17/2022 9:18:38 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 6:27:39 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 6:27:39 PM	67479
Surr: DNOP	74.0	51.1-141		%Rec	1	5/18/2022 6:27:39 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Surr: BFB	94.6	37.7-212		%Rec	1	5/17/2022 4:59:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Xylenes, Total	ND	0.098		mg/Kg	1	5/17/2022 4:59:00 AM	67462
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	5/17/2022 4:59:00 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-24

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 9:15:00 AM

Lab ID: 2205672-010

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	410	60		mg/Kg	20	5/17/2022 9:31:02 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	200	9.8		mg/Kg	1	5/18/2022 6:51:51 PM	67479
Motor Oil Range Organics (MRO)	110	49		mg/Kg	1	5/18/2022 6:51:51 PM	67479
Surr: DNOP	89.2	51.1-141		%Rec	1	5/18/2022 6:51:51 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Surr: BFB	90.3	37.7-212		%Rec	1	5/17/2022 5:19:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 5:19:00 AM	67462
Surr: 4-Bromofluorobenzene	91.6	70-130		%Rec	1	5/17/2022 5:19:00 AM	67462

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

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

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-25

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 9:30:00 AM

Lab ID: 2205672-011

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	5700	300		mg/Kg	100	5/18/2022 11:41:11 AM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	240	48		mg/Kg	5	5/19/2022 4:56:31 PM	67479
Motor Oil Range Organics (MRO)	260	240		mg/Kg	5	5/19/2022 4:56:31 PM	67479
Surr: DNOP	89.0	51.1-141		%Rec	5	5/19/2022 4:56:31 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Surr: BFB	90.4	37.7-212		%Rec	1	5/17/2022 5:38:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 5:38:00 AM	67462
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	5/17/2022 5:38:00 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-26

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 9:45:00 AM

Lab ID: 2205672-012

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	860	60		mg/Kg	20	5/17/2022 9:55:51 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/18/2022 7:40:09 PM	67479
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/18/2022 7:40:09 PM	67479
Surr: DNOP	90.3	51.1-141		%Rec	1	5/18/2022 7:40:09 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Surr: BFB	89.5	37.7-212		%Rec	1	5/17/2022 5:58:00 AM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Toluene	ND	0.048		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Ethylbenzene	ND	0.048		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 5:58:00 AM	67462
Surr: 4-Bromofluorobenzene	89.8	70-130		%Rec	1	5/17/2022 5:58:00 AM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-27

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 10:00:00 AM

Lab ID: 2205672-013

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1900	61		mg/Kg	20	5/17/2022 10:08:16 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/18/2022 8:04:17 PM	67479
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/18/2022 8:04:17 PM	67479
Surr: DNOP	131	51.1-141		%Rec	1	5/18/2022 8:04:17 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Surr: BFB	88.7	37.7-212		%Rec	1	5/17/2022 2:24:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 2:24:00 PM	67462
Surr: 4-Bromofluorobenzene	89.5	70-130		%Rec	1	5/17/2022 2:24:00 PM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-28

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 10:15:00 AM

Lab ID: 2205672-014

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	3000	150		mg/Kg	50	5/18/2022 11:53:32 AM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	2800	97		mg/Kg	10	5/18/2022 8:28:23 PM	67479
Motor Oil Range Organics (MRO)	1600	480		mg/Kg	10	5/18/2022 8:28:23 PM	67479
Surr: DNOP	0	51.1-141	S	%Rec	10	5/18/2022 8:28:23 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Surr: BFB	91.3	37.7-212		%Rec	5	5/17/2022 2:44:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Toluene	ND	0.24		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Ethylbenzene	ND	0.24		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Xylenes, Total	ND	0.49		mg/Kg	5	5/17/2022 2:44:00 PM	67462
Surr: 4-Bromofluorobenzene	90.6	70-130		%Rec	5	5/17/2022 2:44:00 PM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-29

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 10:30:00 AM

Lab ID: 2205672-015

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	3100	150		mg/Kg	50	5/18/2022 12:05:53 PM	67520
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	240	49		mg/Kg	5	5/19/2022 4:09:00 PM	67479
Motor Oil Range Organics (MRO)	380	240		mg/Kg	5	5/19/2022 4:09:00 PM	67479
Surr: DNOP	86.4	51.1-141		%Rec	5	5/19/2022 4:09:00 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Surr: BFB	83.4	37.7-212		%Rec	1	5/17/2022 3:03:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Toluene	ND	0.048		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Ethylbenzene	ND	0.048		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 3:03:00 PM	67462
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	1	5/17/2022 3:03:00 PM	67462

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

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

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-30

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 10:45:00 AM

Lab ID: 2205672-016

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	2100	150		mg/Kg	50	5/19/2022 12:55:57 PM	67539
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	21	9.6		mg/Kg	1	5/18/2022 10:05:28 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 10:05:28 PM	67479
Surr: DNOP	109	51.1-141		%Rec	1	5/18/2022 10:05:28 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Surr: BFB	84.6	37.7-212		%Rec	1	5/17/2022 3:23:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Toluene	ND	0.048		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Ethylbenzene	ND	0.048		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 3:23:00 PM	67462
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	5/17/2022 3:23:00 PM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-31

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 11:00:00 AM

Lab ID: 2205672-017

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>CAS</b>
Chloride	1800	59		mg/Kg	20	5/18/2022 6:16:17 PM	67539
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	26	9.6		mg/Kg	1	5/18/2022 10:30:00 PM	67479
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/18/2022 10:30:00 PM	67479
Surr: DNOP	89.6	51.1-141		%Rec	1	5/18/2022 10:30:00 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Surr: BFB	86.5	37.7-212		%Rec	1	5/17/2022 3:43:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Xylenes, Total	ND	0.10		mg/Kg	1	5/17/2022 3:43:00 PM	67462
Surr: 4-Bromofluorobenzene	88.3	70-130		%Rec	1	5/17/2022 3:43:00 PM	67462

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

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

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-32

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 12:00:00 PM

Lab ID: 2205672-018

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1400	60		mg/Kg	20	5/18/2022 6:28:37 PM	67539
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/18/2022 11:18:46 PM	67479
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/18/2022 11:18:46 PM	67479
Surr: DNOP	97.1	51.1-141		%Rec	1	5/18/2022 11:18:46 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Surr: BFB	89.3	37.7-212		%Rec	1	5/17/2022 4:03:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Toluene	ND	0.050		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 4:03:00 PM	67462
Surr: 4-Bromofluorobenzene	89.9	70-130		%Rec	1	5/17/2022 4:03:00 PM	67462

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-33

Project: Gissler AV Tank Battery

Collection Date: 5/12/2022 12:15:00 PM

Lab ID: 2205672-019

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	3000	150		mg/Kg	50	5/19/2022 1:08:22 PM	67539
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	98	9.7		mg/Kg	1	5/18/2022 11:43:19 PM	67479
Motor Oil Range Organics (MRO)	110	49		mg/Kg	1	5/18/2022 11:43:19 PM	67479
Surr: DNOP	51.2	51.1-141		%Rec	1	5/18/2022 11:43:19 PM	67479
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Surr: BFB	93.3	37.7-212		%Rec	1	5/17/2022 8:01:00 PM	67462
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Toluene	ND	0.049		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Xylenes, Total	ND	0.097		mg/Kg	1	5/17/2022 8:01:00 PM	67462
Surr: 4-Bromofluorobenzene	93.1	70-130		%Rec	1	5/17/2022 8:01:00 PM	67462

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

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

## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-25

Project: Gissler AV Tank Battery

Collection Date: 5/13/2022 7:00:00 AM

Lab ID: 2205672-020

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	73	60		mg/Kg	20	5/19/2022 7:57:19 PM	67579
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/20/2022 9:26:22 PM	67478
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/20/2022 9:26:22 PM	67478
Surr: DNOP	85.4	51.1-141		%Rec	1	5/20/2022 9:26:22 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Surr: BFB	95.8	37.7-212		%Rec	1	5/17/2022 4:23:00 PM	67463
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Toluene	ND	0.050		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Ethylbenzene	ND	0.050		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Xylenes, Total	ND	0.10		mg/Kg	1	5/17/2022 4:23:00 PM	67463
Surr: 4-Bromofluorobenzene	93.9	70-130		%Rec	1	5/17/2022 4:23:00 PM	67463

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

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

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## Analytical Report

Lab Order 2205672

Date Reported: 5/25/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-26

Project: Gissler AV Tank Battery

Collection Date: 5/13/2022 7:15:00 AM

Lab ID: 2205672-021

Matrix: SOIL

Received Date: 5/14/2022 9:45:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	110	60		mg/Kg	20	5/19/2022 8:09:40 PM	67579
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	110	9.9		mg/Kg	1	5/20/2022 6:15:36 PM	67478
Motor Oil Range Organics (MRO)	280	50		mg/Kg	1	5/20/2022 6:15:36 PM	67478
Surr: DNOP	94.9	51.1-141		%Rec	1	5/20/2022 6:15:36 PM	67478
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Surr: BFB	89.2	37.7-212		%Rec	1	5/17/2022 5:22:00 PM	67463
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Toluene	ND	0.049		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Ethylbenzene	ND	0.049		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Xylenes, Total	ND	0.099		mg/Kg	1	5/17/2022 5:22:00 PM	67463
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	5/17/2022 5:22:00 PM	67463

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

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

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

WO#: 2205672

25-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67520</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67520</b>		RunNo: <b>88048</b>							
Prep Date: <b>5/17/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122279</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67520</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67520</b>		RunNo: <b>88048</b>							
Prep Date: <b>5/17/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122280</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.3	90	110			

Sample ID: <b>MB-67539</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67539</b>		RunNo: <b>88117</b>							
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/18/2022</b>		SeqNo: <b>3123927</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67539</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67539</b>		RunNo: <b>88117</b>							
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/18/2022</b>		SeqNo: <b>3123928</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.0	90	110			

Sample ID: <b>MB-67579</b>	SampType: <b>mblk</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67579</b>		RunNo: <b>88138</b>							
Prep Date: <b>5/19/2022</b>	Analysis Date: <b>5/19/2022</b>		SeqNo: <b>3125317</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67579</b>	SampType: <b>lcs</b>		TestCode: <b>EPA Method 300.0: Anions</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67579</b>		RunNo: <b>88138</b>							
Prep Date: <b>5/19/2022</b>	Analysis Date: <b>5/19/2022</b>		SeqNo: <b>3125318</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

**Qualifiers:**

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

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

WO#: 2205672

25-May-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67479</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67479</b>	RunNo: <b>88196</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126699</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.1		10.00		81.0	51.1	141			

Sample ID: <b>2205672-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>SW-16</b>	Batch ID: <b>67479</b>	RunNo: <b>88196</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126701</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	9.8	49.02	0	97.4	36.1	154			
Surr: DNOP	3.7		4.902		74.9	51.1	141			

Sample ID: <b>2205672-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>SW-16</b>	Batch ID: <b>67479</b>	RunNo: <b>88196</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126702</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	9.3	46.64	0	93.5	36.1	154	9.13	33.9	
Surr: DNOP	3.4		4.664		73.3	51.1	141	0	0	

Sample ID: <b>LCS-67479</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67479</b>	RunNo: <b>88196</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126703</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	10	50.00	0	96.6	64.4	127			
Surr: DNOP	3.7		5.000		74.0	51.1	141			

Sample ID: <b>MB-67478</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67478</b>	RunNo: <b>88059</b>								
Prep Date: <b>5/16/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3126729</b> Units: <b>mg/Kg</b>								
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	5.3		10.00		52.6	51.1	141			

**Qualifiers:**

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

QC SUMMARY REPORT  
Hall Environmental Analysis Laboratory, Inc.

WO#: 2205672  
25-May-22

Client: GHD Midland  
Project: Gissler AV Tank Battery

Sample ID: LCS-67478	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67478	RunNo: 88059								
Prep Date: 5/16/2022	Analysis Date: 5/17/2022	SeqNo: 3126730 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	79.6	64.4	127			
Surr: DNOP	2.8		5.000		55.7	51.1	141			

Qualifiers:

- \*

Value exceeds Maximum Contaminant Level.
- D

Sample Diluted Due to Matrix
- H

Holding times for preparation or analysis exceeded
- ND

Not Detected at the Reporting Limit
- PQL

Practical Quantitative Limit
- S

% Recovery outside of range due to dilution or matrix interference
- B

Analyte detected in the associated Method Blank
- E

Estimated value
- J

Analyte detected below quantitation limits
- P

Sample pH Not In Range
- RL

Reporting Limit

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

WO#: 2205672

25-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67462</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67462</b>			RunNo: <b>88023</b>						
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>			SeqNo: <b>3120483</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	970		1000		96.8	37.7	212			

Sample ID: <b>lcs-67462</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67462</b>			RunNo: <b>88023</b>						
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/16/2022</b>			SeqNo: <b>3120484</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	97.8	72.3	137			
Surr: BFB	2000		1000		203	37.7	212			

Sample ID: <b>lcs-67463</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67463</b>			RunNo: <b>88053</b>						
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>			SeqNo: <b>3121609</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	72.3	137			
Surr: BFB	1900		1000		189	37.7	212			

Sample ID: <b>mb-67463</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67463</b>			RunNo: <b>88053</b>						
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>			SeqNo: <b>3121610</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.6	37.7	212			

Sample ID: <b>2205672-020ams</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>SW-25</b>	Batch ID: <b>67463</b>			RunNo: <b>88053</b>						
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>			SeqNo: <b>3122134</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	24.85	0	94.8	70	130			
Surr: BFB	2000		994.0		201	37.7	212			

Sample ID: <b>2205672-020amsd</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>SW-25</b>	Batch ID: <b>67463</b>			RunNo: <b>88053</b>						
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>			SeqNo: <b>3122135</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2205672

25-May-22

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: 2205672-020amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SW-25		Batch ID: 67463			RunNo: 88053					
Prep Date: 5/14/2022		Analysis Date: 5/17/2022			SeqNo: 3122135		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	24.95	0	101	70	130	7.21	20	
Surr: BFB	2000		998.0		204	37.7	212	0	0	

### Qualifiers:

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

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

WO#: 2205672

25-May-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67462</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67462</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3120516</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.94		1.000		93.9	70	130			

Sample ID: <b>LCS-67462</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67462</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/16/2022</b>	SeqNo: <b>3120517</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	1.000	0	80.4	80	120			
Toluene	0.86	0.050	1.000	0	86.2	80	120			
Ethylbenzene	0.87	0.050	1.000	0	87.4	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.7	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		94.8	70	130			

Sample ID: <b>2205672-001ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SW-16</b>	Batch ID: <b>67462</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3120520</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.81	0.025	0.9833	0	82.2	68.8	120			
Toluene	0.90	0.049	0.9833	0	91.9	73.6	124			
Ethylbenzene	0.94	0.049	0.9833	0	95.4	72.7	129			
Xylenes, Total	2.8	0.098	2.950	0	94.8	75.7	126			
Surr: 4-Bromofluorobenzene	0.91		0.9833		93.0	70	130			

Sample ID: <b>2205672-001amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>SW-16</b>	Batch ID: <b>67462</b>	RunNo: <b>88023</b>								
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>	SeqNo: <b>3120521</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.80	0.025	0.9823	0	81.3	68.8	120	1.15	20	
Toluene	0.88	0.049	0.9823	0	89.8	73.6	124	2.34	20	
Ethylbenzene	0.91	0.049	0.9823	0	92.6	72.7	129	3.14	20	
Xylenes, Total	2.7	0.098	2.947	0	92.7	75.7	126	2.41	20	
Surr: 4-Bromofluorobenzene	0.94		0.9823		96.1	70	130	0	0	

**Qualifiers:**

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

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

WO#: 2205672

25-May-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>ics-67463</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3121613</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.90	0.025	1.000	0	90.4	80	120			
Toluene	0.94	0.050	1.000	0	94.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	95.4	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.4	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.8	70	130			

Sample ID: <b>mb-67463</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3121614</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.1	70	130			

Sample ID: <b>2205672-021ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>SW-26</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122168</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.024	0.9766	0	89.2	68.8	120			
Toluene	0.92	0.049	0.9766	0	94.3	73.6	124			
Ethylbenzene	0.94	0.049	0.9766	0	96.0	72.7	129			
Xylenes, Total	2.8	0.098	2.930	0	95.2	75.7	126			
Surr: 4-Bromofluorobenzene	0.87		0.9766		89.4	70	130			

Sample ID: <b>2205672-021amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>SW-26</b>	Batch ID: <b>67463</b>		RunNo: <b>88053</b>							
Prep Date: <b>5/14/2022</b>	Analysis Date: <b>5/17/2022</b>		SeqNo: <b>3122169</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.86	0.025	0.9950	0	85.9	68.8	120	1.85	20	
Toluene	0.89	0.050	0.9950	0	89.9	73.6	124	2.88	20	
Ethylbenzene	0.90	0.050	0.9950	0	90.3	72.7	129	4.26	20	
Xylenes, Total	2.7	0.10	2.985	0	89.0	75.7	126	4.84	20	
Surr: 4-Bromofluorobenzene	0.85		0.9950		85.8	70	130	0	0	

**Qualifiers:**

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



**ENVIRONMENTAL  
ANALYSIS  
LABORATORY**

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

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2205672

RcptNo: 1

Received By: Sean Livingston 5/14/2022 9:45:00 AM

Completed By: Sean Livingston 5/14/2022 10:07:48 AM

Reviewed By: *See 5/14/22*

*See Log*  
*See Log*

### Chain of Custody

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

### Log In

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

# of preserved  
bottles checked  
for pH:

( $\leq 2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: *See 5/14/22*

### Special Handling (if applicable)

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

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.9	Good				

## Chain-of-Custody Record

Client: GHD

Turn-Around Time:

☒ Standard☒ Rush 5-day

Project Name:

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

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

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including OF): 5.9 to 1 = 5.9°C

Container Type and #

Preservative Type

HEAL No.

2205672

BTEX / MTBE / TMB's (8021)

8081 Pesticides/8082 PCB's

EDB (Method 504.1)

PAHs by 8310 or 8270SIMS

RCRA 8 Metals

Cl, F, Br, NO<sub>3</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride Method 300

Remarks: Please email: Chase\_Settle@eogresources.com;

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

Matthew.Laughlin@ghd.com;

Amber\_Griffin@eogresources.com; Along with Becky

Haskell listed above.

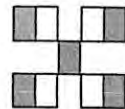
Direct Bill to EOG Chase Settle

Any sub-contracted data will be clearly notated on the analytical report.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.

This serves as notice of this possibility.

Released to Imaging: 7/12/2022 4:23:55 PM



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

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 <sub>3</sub> , PO <sub>4</sub> , SO <sub>4</sub>	✓	8260 (VOA)	✓	8270 (Semi-VOA)	✓	Total Coliform (Present/Absent)	✓	Chloride Method 300	✓
HEAL No.	2205672	Container Type and #	Seal	Preservative Type		Cooler Temp (including OF):	5.9 to 1 = 5.9°C	# of Coolers:	1	On Ice:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sampler:	Zach Comino	Project Manager:	Becky Haskell	Tom Larson	QA/QC Package:	<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)	Accreditation:	<input type="checkbox"/> Az Compliance <input type="checkbox"/> NELAC <input type="checkbox"/> Other	<input type="checkbox"/> EDD (Type)

Remarks: Please email: Chase\_Settle@eogresources.com;  
Tom.Larson@ghd.com; Zach.Comino@ghd.com  
Matthew.Laughlin@ghd.com;  
Amber\_Griffin@eogresources.com; Along with Becky  
Haskell listed above.

Direct Bill to EOG Chase Settle

Any sub-contracted data will be clearly notated on the analytical report.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories.

This serves as notice of this possibility.

Released to Imaging: 7/12/2022 4:23:55 PM





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

May 26, 2022

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

RE: Gissler AV Tank Battery

OrderNo.: 2205799

Dear Becky Haskell:

Hall Environmental Analysis Laboratory received 10 sample(s) on 5/18/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-34

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 8:00:00 AM

Lab ID: 2205799-001

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	380	60		mg/Kg	20	5/20/2022 12:41:17 AM	67579
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	690	49		mg/Kg	5	5/23/2022 5:40:46 PM	67547
Motor Oil Range Organics (MRO)	400	250		mg/Kg	5	5/23/2022 5:40:46 PM	67547
Surr: DNOP	93.7	51.1-141		%Rec	5	5/23/2022 5:40:46 PM	67547
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	5/19/2022 7:34:29 PM	67544
Surr: BFB	108	37.7-212		%Rec	5	5/19/2022 7:34:29 PM	67544
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 7:34:29 PM	67544
Toluene	ND	0.25		mg/Kg	5	5/19/2022 7:34:29 PM	67544
Ethylbenzene	ND	0.25		mg/Kg	5	5/19/2022 7:34:29 PM	67544
Xylenes, Total	ND	0.50		mg/Kg	5	5/19/2022 7:34:29 PM	67544
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	5	5/19/2022 7:34:29 PM	67544

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

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

## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-35

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 8:30:00 AM

Lab ID: 2205799-002

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	520	60		mg/Kg	20	5/20/2022 12:53:38 AM	67579
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	480	100		mg/Kg	10	5/20/2022 2:55:20 PM	67547
Motor Oil Range Organics (MRO)	550	500		mg/Kg	10	5/20/2022 2:55:20 PM	67547
Surr: DNOP	0	51.1-141	S	%Rec	10	5/20/2022 2:55:20 PM	67547
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	5/19/2022 7:58:00 PM	67544
Surr: BFB	119	37.7-212		%Rec	5	5/19/2022 7:58:00 PM	67544
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 7:58:00 PM	67544
Toluene	ND	0.24		mg/Kg	5	5/19/2022 7:58:00 PM	67544
Ethylbenzene	ND	0.24		mg/Kg	5	5/19/2022 7:58:00 PM	67544
Xylenes, Total	ND	0.48		mg/Kg	5	5/19/2022 7:58:00 PM	67544
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	5/19/2022 7:58:00 PM	67544

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

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

## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-36

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 9:00:00 AM

Lab ID: 2205799-003

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	300	60		mg/Kg	20	5/20/2022 1:05:59 AM	67579
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	650	98		mg/Kg	10	5/20/2022 3:06:03 PM	67547
Motor Oil Range Organics (MRO)	740	490		mg/Kg	10	5/20/2022 3:06:03 PM	67547
Surr: DNOP	0	51.1-141	S	%Rec	10	5/20/2022 3:06:03 PM	67547
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	5/19/2022 8:21:28 PM	67544
Surr: BFB	103	37.7-212		%Rec	5	5/19/2022 8:21:28 PM	67544
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 8:21:28 PM	67544
Toluene	ND	0.25		mg/Kg	5	5/19/2022 8:21:28 PM	67544
Ethylbenzene	ND	0.25		mg/Kg	5	5/19/2022 8:21:28 PM	67544
Xylenes, Total	ND	0.50		mg/Kg	5	5/19/2022 8:21:28 PM	67544
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	5	5/19/2022 8:21:28 PM	67544

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

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

## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-37

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 9:30:00 AM

Lab ID: 2205799-004

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	330	60		mg/Kg	20	5/20/2022 1:42:59 AM	67579
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	2100	100		mg/Kg	10	5/20/2022 3:16:46 PM	67547
Motor Oil Range Organics (MRO)	1600	510		mg/Kg	10	5/20/2022 3:16:46 PM	67547
Surr: DNOP	0	51.1-141	S	%Rec	10	5/20/2022 3:16:46 PM	67547
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	45	25		mg/Kg	5	5/19/2022 8:44:59 PM	67544
Surr: BFB	169	37.7-212		%Rec	5	5/19/2022 8:44:59 PM	67544
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 8:44:59 PM	67544
Toluene	ND	0.25		mg/Kg	5	5/19/2022 8:44:59 PM	67544
Ethylbenzene	ND	0.25		mg/Kg	5	5/19/2022 8:44:59 PM	67544
Xylenes, Total	1.5	0.50		mg/Kg	5	5/19/2022 8:44:59 PM	67544
Surr: 4-Bromofluorobenzene	104	70-130		%Rec	5	5/19/2022 8:44:59 PM	67544

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

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

Page 4 of 15

## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-27

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 10:00:00 AM

Lab ID: 2205799-005

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	610	60		mg/Kg	20	5/20/2022 1:55:21 AM	67579
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	1500	98		mg/Kg	10	5/23/2022 7:18:04 PM	67547
Motor Oil Range Organics (MRO)	770	490		mg/Kg	10	5/23/2022 7:18:04 PM	67547
Surr: DNOP	0	51.1-141	S	%Rec	10	5/23/2022 7:18:04 PM	67547
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	5/19/2022 9:08:27 PM	67544
Surr: BFB	110	37.7-212		%Rec	5	5/19/2022 9:08:27 PM	67544
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 9:08:27 PM	67544
Toluene	ND	0.24		mg/Kg	5	5/19/2022 9:08:27 PM	67544
Ethylbenzene	ND	0.24		mg/Kg	5	5/19/2022 9:08:27 PM	67544
Xylenes, Total	ND	0.49		mg/Kg	5	5/19/2022 9:08:27 PM	67544
Surr: 4-Bromofluorobenzene	99.4	70-130		%Rec	5	5/19/2022 9:08:27 PM	67544

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

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

## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-28

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 10:30:00 AM

Lab ID: 2205799-006

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	1300	60		mg/Kg	20	5/20/2022 11:15:24 AM	67596
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	140	9.8		mg/Kg	1	5/23/2022 8:31:16 PM	67547
Motor Oil Range Organics (MRO)	170	49		mg/Kg	1	5/23/2022 8:31:16 PM	67547
Surr: DNOP	59.4	51.1-141		%Rec	1	5/23/2022 8:31:16 PM	67547
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	5/19/2022 9:31:52 PM	67544
Surr: BFB	94.8	37.7-212		%Rec	5	5/19/2022 9:31:52 PM	67544
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 9:31:52 PM	67544
Toluene	ND	0.25		mg/Kg	5	5/19/2022 9:31:52 PM	67544
Ethylbenzene	ND	0.25		mg/Kg	5	5/19/2022 9:31:52 PM	67544
Xylenes, Total	ND	0.50		mg/Kg	5	5/19/2022 9:31:52 PM	67544
Surr: 4-Bromofluorobenzene	97.5	70-130		%Rec	5	5/19/2022 9:31:52 PM	67544

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

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

## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-29

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 11:00:00 AM

Lab ID: 2205799-007

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	350	60		mg/Kg	20	5/20/2022 11:27:49 AM	67596
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	600	99		mg/Kg	10	5/20/2022 3:48:58 PM	67547
Motor Oil Range Organics (MRO)	680	500		mg/Kg	10	5/20/2022 3:48:58 PM	67547
Surr: DNOP	0	51.1-141	S	%Rec	10	5/20/2022 3:48:58 PM	67547
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	5/19/2022 10:42:06 PM	67544
Surr: BFB	135	37.7-212		%Rec	5	5/19/2022 10:42:06 PM	67544
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 10:42:06 PM	67544
Toluene	ND	0.25		mg/Kg	5	5/19/2022 10:42:06 PM	67544
Ethylbenzene	ND	0.25		mg/Kg	5	5/19/2022 10:42:06 PM	67544
Xylenes, Total	ND	0.50		mg/Kg	5	5/19/2022 10:42:06 PM	67544
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	5/19/2022 10:42:06 PM	67544

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

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

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## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-30

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 11:30:00 AM

Lab ID: 2205799-008

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	790	60		mg/Kg	20	5/20/2022 11:40:13 AM	67596
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	41	9.9		mg/Kg	1	5/23/2022 9:19:52 PM	67547
Motor Oil Range Organics (MRO)	110	49		mg/Kg	1	5/23/2022 9:19:52 PM	67547
Surr: DNOP	109	51.1-141		%Rec	1	5/23/2022 9:19:52 PM	67547
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	5/19/2022 11:05:50 PM	67544
Surr: BFB	94.3	37.7-212		%Rec	5	5/19/2022 11:05:50 PM	67544
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 11:05:50 PM	67544
Toluene	ND	0.25		mg/Kg	5	5/19/2022 11:05:50 PM	67544
Ethylbenzene	ND	0.25		mg/Kg	5	5/19/2022 11:05:50 PM	67544
Xylenes, Total	ND	0.49		mg/Kg	5	5/19/2022 11:05:50 PM	67544
Surr: 4-Bromofluorobenzene	98.2	70-130		%Rec	5	5/19/2022 11:05:50 PM	67544

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

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

## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-31

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 12:00:00 PM

Lab ID: 2205799-009

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	200	61		mg/Kg	20	5/20/2022 11:52:38 AM	67596
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	2400	200		mg/Kg	20	5/23/2022 8:06:52 PM	67547
Motor Oil Range Organics (MRO)	1400	1000		mg/Kg	20	5/23/2022 8:06:52 PM	67547
Surr: DNOP	0	51.1-141	S	%Rec	20	5/23/2022 8:06:52 PM	67547
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	5/19/2022 11:29:16 PM	67544
Surr: BFB	155	37.7-212		%Rec	5	5/19/2022 11:29:16 PM	67544
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 11:29:16 PM	67544
Toluene	ND	0.25		mg/Kg	5	5/19/2022 11:29:16 PM	67544
Ethylbenzene	0.25	0.25		mg/Kg	5	5/19/2022 11:29:16 PM	67544
Xylenes, Total	ND	0.50		mg/Kg	5	5/19/2022 11:29:16 PM	67544
Surr: 4-Bromofluorobenzene	106	70-130		%Rec	5	5/19/2022 11:29:16 PM	67544

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

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

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## Analytical Report

Lab Order 2205799

Date Reported: 5/26/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-32

Project: Gissler AV Tank Battery

Collection Date: 5/16/2022 12:30:00 PM

Lab ID: 2205799-010

Matrix: SOIL

Received Date: 5/18/2022 8:27:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	460	60		mg/Kg	20	5/20/2022 12:05:02 PM	67596
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	1100	93		mg/Kg	10	5/23/2022 12:23:56 PM	67548
Motor Oil Range Organics (MRO)	970	460		mg/Kg	10	5/23/2022 12:23:56 PM	67548
Surr: DNOP	0	51.1-141	S	%Rec	10	5/23/2022 12:23:56 PM	67548
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	5/19/2022 8:47:00 PM	67545
Surr: BFB	130	37.7-212		%Rec	5	5/19/2022 8:47:00 PM	67545
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.12		mg/Kg	5	5/19/2022 8:47:00 PM	67545
Toluene	ND	0.24		mg/Kg	5	5/19/2022 8:47:00 PM	67545
Ethylbenzene	ND	0.24		mg/Kg	5	5/19/2022 8:47:00 PM	67545
Xylenes, Total	ND	0.49		mg/Kg	5	5/19/2022 8:47:00 PM	67545
Surr: 4-Bromofluorobenzene	103	70-130		%Rec	5	5/19/2022 8:47:00 PM	67545

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

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

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

WO#: 2205799

26-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67579</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67579</b>	RunNo: <b>88138</b>								
Prep Date: <b>5/19/2022</b>	Analysis Date: <b>5/19/2022</b>	SeqNo: <b>3125317</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67579</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67579</b>	RunNo: <b>88138</b>								
Prep Date: <b>5/19/2022</b>	Analysis Date: <b>5/19/2022</b>	SeqNo: <b>3125318</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.5	90	110			

Sample ID: <b>MB-67596</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67596</b>	RunNo: <b>88190</b>								
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/20/2022</b>	SeqNo: <b>3126542</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67596</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67596</b>	RunNo: <b>88190</b>								
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/20/2022</b>	SeqNo: <b>3126543</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.7	90	110			

**Qualifiers:**

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

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

WO#: 2205799

26-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>LCS-67548</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67548</b>	RunNo: <b>88170</b>								
Prep Date: <b>5/19/2022</b>	Analysis Date: <b>5/20/2022</b>	SeqNo: <b>3126893</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.8	64.4	127			
Surr: DNOP	5.0		5.000		101	51.1	141			

Sample ID: <b>MB-67548</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67548</b>	RunNo: <b>88170</b>								
Prep Date: <b>5/19/2022</b>	Analysis Date: <b>5/20/2022</b>	SeqNo: <b>3126897</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		112	51.1	141			

Sample ID: <b>LCS-67547</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67547</b>	RunNo: <b>88170</b>								
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/20/2022</b>	SeqNo: <b>3126924</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	91.7	64.4	127			
Surr: DNOP	4.4		5.000		87.3	51.1	141			

Sample ID: <b>MB-67547</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67547</b>	RunNo: <b>88170</b>								
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/20/2022</b>	SeqNo: <b>3126925</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		113	51.1	141			

**Qualifiers:**

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

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

WO#: 2205799

26-May-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67544</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67544</b>			RunNo: <b>88115</b>						
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>			SeqNo: <b>3124661</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		96.3	37.7	212			

Sample ID: <b>lcs-67544</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67544</b>			RunNo: <b>88115</b>						
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>			SeqNo: <b>3124662</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	113	72.3	137			
Surr: BFB	2200		1000		223	37.7	212			S

Sample ID: <b>lcs-67545</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67545</b>			RunNo: <b>88144</b>						
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>			SeqNo: <b>3124750</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	100	72.3	137			
Surr: BFB	1900		1000		191	37.7	212			

Sample ID: <b>mb-67545</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67545</b>			RunNo: <b>88144</b>						
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>			SeqNo: <b>3124752</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	910		1000		90.6	37.7	212			

Sample ID: <b>2205799-010ams</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>SW-32</b>	Batch ID: <b>67545</b>			RunNo: <b>88144</b>						
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>			SeqNo: <b>3124754</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	39	25	24.78	11.57	112	70	130			
Surr: BFB	7600		4955		153	37.7	212			

Sample ID: <b>2205799-010amsd</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>SW-32</b>	Batch ID: <b>67545</b>			RunNo: <b>88144</b>						
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>			SeqNo: <b>3124755</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205799

26-May-22

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: 2205799-010amsd		SampType: MSD		TestCode: EPA Method 8015D: Gasoline Range						
Client ID: SW-32		Batch ID: 67545		RunNo: 88144						
Prep Date: 5/18/2022		Analysis Date: 5/19/2022		SeqNo: 3124755		Units: mg/Kg				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	40	25	24.75	11.57	114	70	130	1.03	20	
Surr: BFB	7400		4950		150	37.7	212	0	0	

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

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

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

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

WO#: 2205799

26-May-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>mb-67544</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67544</b>	RunNo: <b>88115</b>								
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>	SeqNo: <b>3124723</b> Units: <b>mg/Kg</b>								
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	0.97		1.000		97.0	70	130			

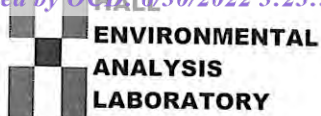
Sample ID: <b>LCS-67544</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67544</b>	RunNo: <b>88115</b>								
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>	SeqNo: <b>3124728</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.0	80	120			
Toluene	0.97	0.050	1.000	0	97.0	80	120			
Ethylbenzene	0.98	0.050	1.000	0	97.6	80	120			
Xylenes, Total	2.9	0.10	3.000	0	97.3	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		103	70	130			

Sample ID: <b>lcs-67545</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67545</b>	RunNo: <b>88144</b>								
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>	SeqNo: <b>3124827</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	96.1	80	120			
Toluene	0.97	0.050	1.000	0	96.9	80	120			
Ethylbenzene	0.96	0.050	1.000	0	96.2	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	0.89		1.000		89.4	70	130			

Sample ID: <b>mb-67545</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67545</b>	RunNo: <b>88144</b>								
Prep Date: <b>5/18/2022</b>	Analysis Date: <b>5/19/2022</b>	SeqNo: <b>3124828</b> Units: <b>mg/Kg</b>								
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		89.7	70	130			

**Qualifiers:**

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



## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2205799

RcptNo: 1

Received By: Joseph Alderette 5/18/2022 8:27:00 AM

Completed By: Desiree Dominguez 5/18/2022 9:20:30 AM

Reviewed By:

KDA

5.18.22

Chain of Custody

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

Log In

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

# of preserved  
bottles checked  
for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: JN 5/18/22

Special Handling (if applicable)

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

Person Notified:

Date:

By Whom:

Via:

☐ eMail☐ Phone☐ Fax☐ In Person

Regarding:

Client Instructions:

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.5	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](mailto:Becky.Haskell@ghd.com)

QA/QC Package:

☐ Standard☐ Level 4 (Full Validation)

Accreditation:

☐ Az Compliance☐ NELAC☐ Other☐ EDD (Type)

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 55 - 05 55°C

Container Type and #

Preservative Type

HEAL No.

Date Time Matrix Sample Name

05/16/22 0800 S BH-34

0820 BH-35

0900 BH-36

0930 BH-37

1000 SW-27

1030 SW-28

1100 SW-29

1130 SW-30

1200 SW-31

1230 SW-32

Date: 05/16/22

Time: 0800

Relinquished by: Zach Comino

Date: 5/17/22

Time: 1900

Relinquished by: [Signature]

Turn-Around Time:

☒ Standard ☒ Rush 5-day

Project Name:

Cissler AV Tech Battery

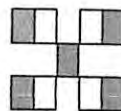
Project #:

12563391

Project Manager:

Becky Haskell

Tom Larson



## HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

## Analysis Request

BTEX / MTBE / TMBs (8021) ☒

TPH:8015D(GRO / DRO / MRO) ☒

8081 Pesticides/8082 PCBs ☒

EDB (Method 504.1) ☒

PAHs by 8310 or 8270SIMS ☒

RCRA 8 Metals ☒

Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub> ☒

8260 (VOA) ☒

8270 (Semi-VOA) ☒

Total Coliform (Present/Absent) ☒

Chloride Method 300 ☒

Received by: [Signature]

Via:

Date

Time

9/17/22

800

Received by: [Signature]

Via:

Date

Time

9/17/22

8:27

Remarks: Please email: Chase\_Settle@eogresources.com;  
Tom.Larson@ghd.com; Zach.Comino@ghd.com  
Matthew.Laughlin@ghd.com;  
Amber\_Griffin@eogresources.com; Along with Becky  
Haskell listed above.

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.

Direct Bill to EOG Chase Settle



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 02, 2022

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

RE: Gissler AV Tank Battery

OrderNo.: 2205922

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 24 sample(s) on 5/20/2022 for the analyses presented in the following report.

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

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

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

Sincerely,

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

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-38

Project: Gissler AV Tank Battery

Collection Date: 5/17/2022 3:00:00 PM

Lab ID: 2205922-001

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	1100	60		mg/Kg	20	5/25/2022 12:41:15 AM	67663
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	580	48		mg/Kg	5	5/27/2022 11:07:48 AM	67724
Motor Oil Range Organics (MRO)	580	240		mg/Kg	5	5/27/2022 11:07:48 AM	67724
Surr: DNOP	87.0	51.1-141		%Rec	5	5/27/2022 11:07:48 AM	67724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	25		mg/Kg	5	5/23/2022 12:11:00 PM	67598
Surr: BFB	97.2	37.7-212		%Rec	5	5/23/2022 12:11:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	5/23/2022 12:11:00 PM	67598
Toluene	ND	0.25		mg/Kg	5	5/23/2022 12:11:00 PM	67598
Ethylbenzene	ND	0.25		mg/Kg	5	5/23/2022 12:11:00 PM	67598
Xylenes, Total	ND	0.49		mg/Kg	5	5/23/2022 12:11:00 PM	67598
Surr: 4-Bromofluorobenzene	94.7	70-130		%Rec	5	5/23/2022 12:11:00 PM	67598

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-39

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 8:05:00 AM

Lab ID: 2205922-002

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	610	60		mg/Kg	20	5/25/2022 1:18:19 AM	67663
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	140	47		mg/Kg	5	5/27/2022 11:35:07 AM	67724
Motor Oil Range Organics (MRO)	240	240		mg/Kg	5	5/27/2022 11:35:07 AM	67724
Surr: DNOP	95.0	51.1-141		%Rec	5	5/27/2022 11:35:07 AM	67724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/23/2022 1:11:00 PM	67598
Surr: BFB	99.2	37.7-212		%Rec	1	5/23/2022 1:11:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/23/2022 1:11:00 PM	67598
Toluene	ND	0.050		mg/Kg	1	5/23/2022 1:11:00 PM	67598
Ethylbenzene	ND	0.050		mg/Kg	1	5/23/2022 1:11:00 PM	67598
Xylenes, Total	ND	0.099		mg/Kg	1	5/23/2022 1:11:00 PM	67598
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	5/23/2022 1:11:00 PM	67598

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

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

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## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-40

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 8:10:00 AM

Lab ID: 2205922-003

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: CAS
Chloride	790	60		mg/Kg	20	5/25/2022 1:30:39 AM	67663
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	210	19		mg/Kg	2	5/27/2022 12:02:30 PM	67724
Motor Oil Range Organics (MRO)	430	97		mg/Kg	2	5/27/2022 12:02:30 PM	67724
Surr: DNOP	110	51.1-141		%Rec	2	5/27/2022 12:02:30 PM	67724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/23/2022 1:30:00 PM	67598
Surr: BFB	87.5	37.7-212		%Rec	1	5/23/2022 1:30:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/23/2022 1:30:00 PM	67598
Toluene	ND	0.049		mg/Kg	1	5/23/2022 1:30:00 PM	67598
Ethylbenzene	ND	0.049		mg/Kg	1	5/23/2022 1:30:00 PM	67598
Xylenes, Total	ND	0.098		mg/Kg	1	5/23/2022 1:30:00 PM	67598
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	1	5/23/2022 1:30:00 PM	67598

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

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

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## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-41

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 8:15:00 AM

Lab ID: 2205922-004

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	790	60		mg/Kg	20	5/25/2022 12:36:24 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	360	49		mg/Kg	5	5/27/2022 12:29:48 PM	67724
Motor Oil Range Organics (MRO)	1100	250		mg/Kg	5	5/27/2022 12:29:48 PM	67724
Surr: DNOP	88.2	51.1-141		%Rec	5	5/27/2022 12:29:48 PM	67724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/23/2022 1:50:00 PM	67598
Surr: BFB	89.8	37.7-212		%Rec	1	5/23/2022 1:50:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 1:50:00 PM	67598
Toluene	ND	0.048		mg/Kg	1	5/23/2022 1:50:00 PM	67598
Ethylbenzene	ND	0.048		mg/Kg	1	5/23/2022 1:50:00 PM	67598
Xylenes, Total	ND	0.095		mg/Kg	1	5/23/2022 1:50:00 PM	67598
Surr: 4-Bromofluorobenzene	89.7	70-130		%Rec	1	5/23/2022 1:50:00 PM	67598

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-42

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 8:20:00 AM

Lab ID: 2205922-005

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	670	60		mg/Kg	20	5/25/2022 12:48:48 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	59	9.8		mg/Kg	1	5/27/2022 12:57:00 PM	67724
Motor Oil Range Organics (MRO)	130	49		mg/Kg	1	5/27/2022 12:57:00 PM	67724
Surr: DNOP	88.7	51.1-141		%Rec	1	5/27/2022 12:57:00 PM	67724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/23/2022 2:10:00 PM	67598
Surr: BFB	86.1	37.7-212		%Rec	1	5/23/2022 2:10:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 2:10:00 PM	67598
Toluene	ND	0.048		mg/Kg	1	5/23/2022 2:10:00 PM	67598
Ethylbenzene	ND	0.048		mg/Kg	1	5/23/2022 2:10:00 PM	67598
Xylenes, Total	ND	0.096		mg/Kg	1	5/23/2022 2:10:00 PM	67598
Surr: 4-Bromofluorobenzene	85.7	70-130		%Rec	1	5/23/2022 2:10:00 PM	67598

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-43

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 9:00:00 AM

Lab ID: 2205922-006

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	2400	60		mg/Kg	20	5/25/2022 1:01:12 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/25/2022 7:33:53 PM	67620
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/25/2022 7:33:53 PM	67620
Surr: DNOP	84.2	51.1-141		%Rec	1	5/25/2022 7:33:53 PM	67620
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/23/2022 2:49:00 PM	67598
Surr: BFB	88.0	37.7-212		%Rec	1	5/23/2022 2:49:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 2:49:00 PM	67598
Toluene	ND	0.048		mg/Kg	1	5/23/2022 2:49:00 PM	67598
Ethylbenzene	ND	0.048		mg/Kg	1	5/23/2022 2:49:00 PM	67598
Xylenes, Total	ND	0.096		mg/Kg	1	5/23/2022 2:49:00 PM	67598
Surr: 4-Bromofluorobenzene	88.2	70-130		%Rec	1	5/23/2022 2:49:00 PM	67598

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-44

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 9:05:00 AM

Lab ID: 2205922-007

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	930	60		mg/Kg	20	5/25/2022 1:38:25 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	25	9.5		mg/Kg	1	5/27/2022 1:24:07 PM	67724
Motor Oil Range Organics (MRO)	95	48		mg/Kg	1	5/27/2022 1:24:07 PM	67724
Surr: DNOP	78.0	51.1-141		%Rec	1	5/27/2022 1:24:07 PM	67724
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/23/2022 3:09:00 PM	67598
Surr: BFB	89.3	37.7-212		%Rec	1	5/23/2022 3:09:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.023		mg/Kg	1	5/23/2022 3:09:00 PM	67598
Toluene	ND	0.047		mg/Kg	1	5/23/2022 3:09:00 PM	67598
Ethylbenzene	ND	0.047		mg/Kg	1	5/23/2022 3:09:00 PM	67598
Xylenes, Total	ND	0.094		mg/Kg	1	5/23/2022 3:09:00 PM	67598
Surr: 4-Bromofluorobenzene	84.7	70-130		%Rec	1	5/23/2022 3:09:00 PM	67598

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

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

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## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-45

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 9:10:00 AM

Lab ID: 2205922-008

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	810	60		mg/Kg	20	5/25/2022 1:50:50 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/24/2022 11:55:13 PM	67620
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/24/2022 11:55:13 PM	67620
Surr: DNOP	94.3	51.1-141		%Rec	1	5/24/2022 11:55:13 PM	67620
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/23/2022 3:28:00 PM	67598
Surr: BFB	83.1	37.7-212		%Rec	1	5/23/2022 3:28:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/23/2022 3:28:00 PM	67598
Toluene	ND	0.049		mg/Kg	1	5/23/2022 3:28:00 PM	67598
Ethylbenzene	ND	0.049		mg/Kg	1	5/23/2022 3:28:00 PM	67598
Xylenes, Total	ND	0.099		mg/Kg	1	5/23/2022 3:28:00 PM	67598
Surr: 4-Bromofluorobenzene	83.3	70-130		%Rec	1	5/23/2022 3:28:00 PM	67598

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

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

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## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-46

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 9:15:00 AM

Lab ID: 2205922-009

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1200	60		mg/Kg	20	5/25/2022 2:03:14 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.6		mg/Kg	1	5/25/2022 12:19:00 AM	67620
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/25/2022 12:19:00 AM	67620
Surr: DNOP	90.7	51.1-141		%Rec	1	5/25/2022 12:19:00 AM	67620
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/23/2022 3:48:00 PM	67598
Surr: BFB	86.3	37.7-212		%Rec	1	5/23/2022 3:48:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 3:48:00 PM	67598
Toluene	ND	0.047		mg/Kg	1	5/23/2022 3:48:00 PM	67598
Ethylbenzene	ND	0.047		mg/Kg	1	5/23/2022 3:48:00 PM	67598
Xylenes, Total	ND	0.095		mg/Kg	1	5/23/2022 3:48:00 PM	67598
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	5/23/2022 3:48:00 PM	67598

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-47

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 9:20:00 AM

Lab ID: 2205922-010

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	240	60		mg/Kg	20	5/25/2022 2:40:27 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/25/2022 8:32:42 PM	67620
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/25/2022 8:32:42 PM	67620
Surr: DNOP	91.1	51.1-141		%Rec	1	5/25/2022 8:32:42 PM	67620
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/23/2022 4:08:00 PM	67598
Surr: BFB	85.8	37.7-212		%Rec	1	5/23/2022 4:08:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 4:08:00 PM	67598
Toluene	ND	0.048		mg/Kg	1	5/23/2022 4:08:00 PM	67598
Ethylbenzene	ND	0.048		mg/Kg	1	5/23/2022 4:08:00 PM	67598
Xylenes, Total	ND	0.096		mg/Kg	1	5/23/2022 4:08:00 PM	67598
Surr: 4-Bromofluorobenzene	85.1	70-130		%Rec	1	5/23/2022 4:08:00 PM	67598

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-48

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 10:00:00 AM

Lab ID: 2205922-011

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	2100	59		mg/Kg	20	5/25/2022 2:52:51 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	89	9.7		mg/Kg	1	5/27/2022 12:21:04 PM	67737
Motor Oil Range Organics (MRO)	150	49		mg/Kg	1	5/27/2022 12:21:04 PM	67737
Surr: DNOP	97.8	51.1-141		%Rec	1	5/27/2022 12:21:04 PM	67737
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/23/2022 4:27:00 PM	67598
Surr: BFB	85.8	37.7-212		%Rec	1	5/23/2022 4:27:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	5/23/2022 4:27:00 PM	67598
Toluene	ND	0.049		mg/Kg	1	5/23/2022 4:27:00 PM	67598
Ethylbenzene	ND	0.049		mg/Kg	1	5/23/2022 4:27:00 PM	67598
Xylenes, Total	ND	0.098		mg/Kg	1	5/23/2022 4:27:00 PM	67598
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	5/23/2022 4:27:00 PM	67598

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-49

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 10:05:00 AM

Lab ID: 2205922-012

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1600	60		mg/Kg	20	5/25/2022 3:05:16 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/25/2022 1:53:25 AM	67620
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/25/2022 1:53:25 AM	67620
Surr: DNOP	105	51.1-141		%Rec	1	5/25/2022 1:53:25 AM	67620
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/23/2022 4:47:00 PM	67598
Surr: BFB	85.9	37.7-212		%Rec	1	5/23/2022 4:47:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 4:47:00 PM	67598
Toluene	ND	0.048		mg/Kg	1	5/23/2022 4:47:00 PM	67598
Ethylbenzene	ND	0.048		mg/Kg	1	5/23/2022 4:47:00 PM	67598
Xylenes, Total	ND	0.097		mg/Kg	1	5/23/2022 4:47:00 PM	67598
Surr: 4-Bromofluorobenzene	84.9	70-130		%Rec	1	5/23/2022 4:47:00 PM	67598

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

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

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## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-50

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 10:10:00 AM

Lab ID: 2205922-013

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1700	60		mg/Kg	20	5/25/2022 3:17:40 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/25/2022 9:31:32 PM	67620
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/25/2022 9:31:32 PM	67620
Surr: DNOP	86.8	51.1-141		%Rec	1	5/25/2022 9:31:32 PM	67620
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/23/2022 5:07:00 PM	67598
Surr: BFB	86.5	37.7-212		%Rec	1	5/23/2022 5:07:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.023		mg/Kg	1	5/23/2022 5:07:00 PM	67598
Toluene	ND	0.047		mg/Kg	1	5/23/2022 5:07:00 PM	67598
Ethylbenzene	ND	0.047		mg/Kg	1	5/23/2022 5:07:00 PM	67598
Xylenes, Total	ND	0.094		mg/Kg	1	5/23/2022 5:07:00 PM	67598
Surr: 4-Bromofluorobenzene	88.0	70-130		%Rec	1	5/23/2022 5:07:00 PM	67598

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

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

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## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-51

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 10:15:00 AM

Lab ID: 2205922-014

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1900	60		mg/Kg	20	5/25/2022 3:30:05 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	38	9.6		mg/Kg	1	5/27/2022 11:32:31 AM	67737
Motor Oil Range Organics (MRO)	65	48		mg/Kg	1	5/27/2022 11:32:31 AM	67737
Surr: DNOP	90.8	51.1-141		%Rec	1	5/27/2022 11:32:31 AM	67737
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/23/2022 5:26:00 PM	67598
Surr: BFB	84.8	37.7-212		%Rec	1	5/23/2022 5:26:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 5:26:00 PM	67598
Toluene	ND	0.049		mg/Kg	1	5/23/2022 5:26:00 PM	67598
Ethylbenzene	ND	0.049		mg/Kg	1	5/23/2022 5:26:00 PM	67598
Xylenes, Total	ND	0.097		mg/Kg	1	5/23/2022 5:26:00 PM	67598
Surr: 4-Bromofluorobenzene	85.2	70-130		%Rec	1	5/23/2022 5:26:00 PM	67598

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-52

Project: Gissler AV Tank Battery

Collection Date: 5/18/2022 10:20:00 AM

Lab ID: 2205922-015

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1900	60		mg/Kg	20	5/25/2022 4:07:17 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	40	9.9		mg/Kg	1	5/27/2022 3:00:05 PM	67737
Motor Oil Range Organics (MRO)	84	50		mg/Kg	1	5/27/2022 3:00:05 PM	67737
Surr: DNOP	91.4	51.1-141		%Rec	1	5/27/2022 3:00:05 PM	67737
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/23/2022 5:46:00 PM	67598
Surr: BFB	82.3	37.7-212		%Rec	1	5/23/2022 5:46:00 PM	67598
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 5:46:00 PM	67598
Toluene	ND	0.048		mg/Kg	1	5/23/2022 5:46:00 PM	67598
Ethylbenzene	ND	0.048		mg/Kg	1	5/23/2022 5:46:00 PM	67598
Xylenes, Total	ND	0.096		mg/Kg	1	5/23/2022 5:46:00 PM	67598
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	5/23/2022 5:46:00 PM	67598

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-33

Project: Gissler AV Tank Battery

Collection Date: 5/19/2022 9:00:00 AM

Lab ID: 2205922-016

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	ND	60		mg/Kg	20	5/25/2022 4:19:42 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.8		mg/Kg	1	5/23/2022 5:30:35 PM	67607
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/23/2022 5:30:35 PM	67607
Surr: DNOP	82.7	51.1-141		%Rec	1	5/23/2022 5:30:35 PM	67607
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/23/2022 7:44:00 PM	67603
Surr: BFB	89.3	37.7-212		%Rec	1	5/23/2022 7:44:00 PM	67603
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 7:44:00 PM	67603
Toluene	ND	0.049		mg/Kg	1	5/23/2022 7:44:00 PM	67603
Ethylbenzene	ND	0.049		mg/Kg	1	5/23/2022 7:44:00 PM	67603
Xylenes, Total	ND	0.098		mg/Kg	1	5/23/2022 7:44:00 PM	67603
Surr: 4-Bromofluorobenzene	86.5	70-130		%Rec	1	5/23/2022 7:44:00 PM	67603

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

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

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## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-53

Project: Gissler AV Tank Battery

Collection Date: 5/19/2022 9:05:00 AM

Lab ID: 2205922-017

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1200	60		mg/Kg	20	5/25/2022 4:32:06 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	280	19		mg/Kg	2	5/24/2022 1:52:22 PM	67607
Motor Oil Range Organics (MRO)	280	97		mg/Kg	2	5/24/2022 1:52:22 PM	67607
Surr: DNOP	99.3	51.1-141		%Rec	2	5/24/2022 1:52:22 PM	67607
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	24		mg/Kg	5	5/23/2022 8:43:00 PM	67603
Surr: BFB	93.8	37.7-212		%Rec	5	5/23/2022 8:43:00 PM	67603
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.12		mg/Kg	5	5/23/2022 8:43:00 PM	67603
Toluene	ND	0.24		mg/Kg	5	5/23/2022 8:43:00 PM	67603
Ethylbenzene	ND	0.24		mg/Kg	5	5/23/2022 8:43:00 PM	67603
Xylenes, Total	ND	0.48		mg/Kg	5	5/23/2022 8:43:00 PM	67603
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	5	5/23/2022 8:43:00 PM	67603

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-54

Project: Gissler AV Tank Battery

Collection Date: 5/19/2022 10:00:00 AM

Lab ID: 2205922-018

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	1400	60		mg/Kg	20	5/25/2022 4:44:30 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	130	9.8		mg/Kg	1	5/24/2022 9:44:45 PM	67607
Motor Oil Range Organics (MRO)	110	49		mg/Kg	1	5/24/2022 9:44:45 PM	67607
Surr: DNOP	61.7	51.1-141		%Rec	1	5/24/2022 9:44:45 PM	67607
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/23/2022 9:42:00 PM	67603
Surr: BFB	94.9	37.7-212		%Rec	1	5/23/2022 9:42:00 PM	67603
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 9:42:00 PM	67603
Toluene	ND	0.048		mg/Kg	1	5/23/2022 9:42:00 PM	67603
Ethylbenzene	ND	0.048		mg/Kg	1	5/23/2022 9:42:00 PM	67603
Xylenes, Total	ND	0.096		mg/Kg	1	5/23/2022 9:42:00 PM	67603
Surr: 4-Bromofluorobenzene	93.3	70-130		%Rec	1	5/23/2022 9:42:00 PM	67603

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-55

Project: Gissler AV Tank Battery

Collection Date: 5/19/2022 10:05:00 AM

Lab ID: 2205922-019

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	780	60		mg/Kg	20	5/25/2022 5:21:42 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/23/2022 6:14:47 PM	67607
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/23/2022 6:14:47 PM	67607
Surr: DNOP	78.1	51.1-141		%Rec	1	5/23/2022 6:14:47 PM	67607
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/23/2022 10:02:00 PM	67603
Surr: BFB	83.4	37.7-212		%Rec	1	5/23/2022 10:02:00 PM	67603
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 10:02:00 PM	67603
Toluene	ND	0.048		mg/Kg	1	5/23/2022 10:02:00 PM	67603
Ethylbenzene	ND	0.048		mg/Kg	1	5/23/2022 10:02:00 PM	67603
Xylenes, Total	ND	0.096		mg/Kg	1	5/23/2022 10:02:00 PM	67603
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	5/23/2022 10:02:00 PM	67603

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

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

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## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-56

Project: Gissler AV Tank Battery

Collection Date: 5/19/2022 10:10:00 AM

Lab ID: 2205922-020

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	470	60		mg/Kg	20	5/25/2022 5:34:06 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	28	8.5		mg/Kg	1	5/23/2022 6:45:14 PM	67607
Motor Oil Range Organics (MRO)	52	43		mg/Kg	1	5/23/2022 6:45:14 PM	67607
Surr: DNOP	98.7	51.1-141		%Rec	1	5/23/2022 6:45:14 PM	67607
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/23/2022 10:22:00 PM	67603
Surr: BFB	84.4	37.7-212		%Rec	1	5/23/2022 10:22:00 PM	67603
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 10:22:00 PM	67603
Toluene	ND	0.047		mg/Kg	1	5/23/2022 10:22:00 PM	67603
Ethylbenzene	ND	0.047		mg/Kg	1	5/23/2022 10:22:00 PM	67603
Xylenes, Total	ND	0.095		mg/Kg	1	5/23/2022 10:22:00 PM	67603
Surr: 4-Bromofluorobenzene	84.8	70-130		%Rec	1	5/23/2022 10:22:00 PM	67603

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

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

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## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-34

Project: Gissler AV Tank Battery

Collection Date: 5/19/2022 11:00:00 AM

Lab ID: 2205922-021

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	190	60		mg/Kg	20	5/25/2022 5:46:30 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/23/2022 7:15:39 PM	67607
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/23/2022 7:15:39 PM	67607
Surr: DNOP	87.0	51.1-141		%Rec	1	5/23/2022 7:15:39 PM	67607
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/23/2022 10:41:00 PM	67603
Surr: BFB	84.1	37.7-212		%Rec	1	5/23/2022 10:41:00 PM	67603
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 10:41:00 PM	67603
Toluene	ND	0.049		mg/Kg	1	5/23/2022 10:41:00 PM	67603
Ethylbenzene	ND	0.049		mg/Kg	1	5/23/2022 10:41:00 PM	67603
Xylenes, Total	ND	0.097		mg/Kg	1	5/23/2022 10:41:00 PM	67603
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	5/23/2022 10:41:00 PM	67603

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-57

Project: Gissler AV Tank Battery

Collection Date: 5/19/2022 12:00:00 PM

Lab ID: 2205922-022

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: LRN
Chloride	950	60		mg/Kg	20	5/25/2022 5:58:54 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	80	9.3		mg/Kg	1	5/27/2022 3:46:01 PM	67607
Motor Oil Range Organics (MRO)	91	46		mg/Kg	1	5/27/2022 3:46:01 PM	67607
Surr: DNOP	114	51.1-141		%Rec	1	5/27/2022 3:46:01 PM	67607
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	23		mg/Kg	5	5/23/2022 11:01:00 PM	67603
Surr: BFB	97.6	37.7-212		%Rec	5	5/23/2022 11:01:00 PM	67603
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.12		mg/Kg	5	5/23/2022 11:01:00 PM	67603
Toluene	ND	0.23		mg/Kg	5	5/23/2022 11:01:00 PM	67603
Ethylbenzene	ND	0.23		mg/Kg	5	5/23/2022 11:01:00 PM	67603
Xylenes, Total	ND	0.46		mg/Kg	5	5/23/2022 11:01:00 PM	67603
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	5	5/23/2022 11:01:00 PM	67603

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

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

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-58

Project: Gissler AV Tank Battery

Collection Date: 5/19/2022 12:05:00 PM

Lab ID: 2205922-023

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>LRN</b>
Chloride	550	60		mg/Kg	20	5/25/2022 6:36:07 PM	67683
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	42	9.6		mg/Kg	1	5/23/2022 8:15:38 PM	67607
Motor Oil Range Organics (MRO)	67	48		mg/Kg	1	5/23/2022 8:15:38 PM	67607
Surr: DNOP	88.0	51.1-141		%Rec	1	5/23/2022 8:15:38 PM	67607
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/23/2022 11:21:00 PM	67603
Surr: BFB	89.4	37.7-212		%Rec	1	5/23/2022 11:21:00 PM	67603
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 11:21:00 PM	67603
Toluene	ND	0.047		mg/Kg	1	5/23/2022 11:21:00 PM	67603
Ethylbenzene	ND	0.047		mg/Kg	1	5/23/2022 11:21:00 PM	67603
Xylenes, Total	ND	0.094		mg/Kg	1	5/23/2022 11:21:00 PM	67603
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	5/23/2022 11:21:00 PM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205922

Date Reported: 6/2/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-59

Project: Gissler AV Tank Battery

Collection Date: 5/19/2022 12:10:00 PM

Lab ID: 2205922-024

Matrix: SOIL

Received Date: 5/20/2022 7:05:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	820	60		mg/Kg	20	5/25/2022 7:17:35 PM	67690
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	53	9.4		mg/Kg	1	5/23/2022 8:45:42 PM	67607
Motor Oil Range Organics (MRO)	80	47		mg/Kg	1	5/23/2022 8:45:42 PM	67607
Surr: DNOP	73.0	51.1-141		%Rec	1	5/23/2022 8:45:42 PM	67607
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/23/2022 11:40:00 PM	67603
Surr: BFB	89.3	37.7-212		%Rec	1	5/23/2022 11:40:00 PM	67603
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	5/23/2022 11:40:00 PM	67603
Toluene	ND	0.049		mg/Kg	1	5/23/2022 11:40:00 PM	67603
Ethylbenzene	ND	0.049		mg/Kg	1	5/23/2022 11:40:00 PM	67603
Xylenes, Total	ND	0.098		mg/Kg	1	5/23/2022 11:40:00 PM	67603
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	5/23/2022 11:40:00 PM	67603

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205922

02-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67663</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67663</b>	RunNo: <b>88242</b>								
Prep Date: <b>5/24/2022</b>	Analysis Date: <b>5/24/2022</b>	SeqNo: <b>3129332</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67663</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67663</b>	RunNo: <b>88242</b>								
Prep Date: <b>5/24/2022</b>	Analysis Date: <b>5/24/2022</b>	SeqNo: <b>3129333</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.6	90	110			

Sample ID: <b>MB-67683</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67683</b>	RunNo: <b>88280</b>								
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/25/2022</b>	SeqNo: <b>3130697</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67683</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67683</b>	RunNo: <b>88280</b>								
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/25/2022</b>	SeqNo: <b>3130698</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.5	90	110			

Sample ID: <b>MB-67690</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67690</b>	RunNo: <b>88285</b>								
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/25/2022</b>	SeqNo: <b>3130981</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67690</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67690</b>	RunNo: <b>88285</b>								
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/25/2022</b>	SeqNo: <b>3130982</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205922

02-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>LCS-67607</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67607</b>		RunNo: <b>88200</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127567</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	58	10	50.00	0	116	64.4	127			
Surr: DNOP	6.4		5.000		127	51.1	141			

Sample ID: <b>MB-67607</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67607</b>		RunNo: <b>88200</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127570</b>		Units: <b>mg/Kg</b>					
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		132	51.1	141			

Sample ID: <b>MB-67620</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67620</b>		RunNo: <b>88252</b>							
Prep Date: <b>5/23/2022</b>	Analysis Date: <b>5/24/2022</b>		SeqNo: <b>3129528</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.5		10.00		95.3	51.1	141			

Sample ID: <b>MB-67666</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67666</b>		RunNo: <b>88263</b>							
Prep Date: <b>5/24/2022</b>	Analysis Date: <b>5/26/2022</b>		SeqNo: <b>3131422</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	10		10.00		101	51.1	141			

Sample ID: <b>LCS-67666</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67666</b>		RunNo: <b>88263</b>							
Prep Date: <b>5/24/2022</b>	Analysis Date: <b>5/26/2022</b>		SeqNo: <b>3131423</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	5.4		5.000		108	51.1	141			

Sample ID: <b>MB-67680</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67680</b>		RunNo: <b>88246</b>							
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/26/2022</b>		SeqNo: <b>3132682</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205922

02-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67680</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67680</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/26/2022</b>			SeqNo: <b>3132682</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		93.1	51.1	141			

Sample ID: <b>LCS-67680</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67680</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/26/2022</b>			SeqNo: <b>3132685</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.1	51.1	141			

Sample ID: <b>LCS-67737</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67737</b>			RunNo: <b>88332</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3132996</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	40	10	50.00	0	80.3	64.4	127			
Surr: DNOP	4.1		5.000		81.2	51.1	141			

Sample ID: <b>MB-67737</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67737</b>			RunNo: <b>88332</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3132997</b>	Units: <b>mg/Kg</b>					
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	9.2		10.00		92.1	51.1	141			

Sample ID: <b>MB-67724</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67724</b>			RunNo: <b>88333</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133132</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		85.0	51.1	141			

Sample ID: <b>LCS-67724</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67724</b>			RunNo: <b>88333</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133133</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT  
Hall Environmental Analysis Laboratory, Inc.

WO#: 2205922  
02-Jun-22

Client: GHD Midland  
Project: Gissler AV Tank Battery

Sample ID: LCS-67724	SampType: LCS	TestCode: EPA Method 8015M/D: Diesel Range Organics								
Client ID: LCSS	Batch ID: 67724	RunNo: 88333								
Prep Date: 5/26/2022	Analysis Date: 5/27/2022	SeqNo: 3133133		Units: mg/Kg						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	64.4	127			
Surr: DNOP	4.7		5.000		93.8	51.1	141			

Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205922

02-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>lcs-67598</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67598</b>			RunNo: <b>88207</b>						
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>			SeqNo: <b>3127028</b>			Units: <b>mg/Kg</b>			
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	72.3	137			
Surr: BFB	2000		1000		198	37.7	212			

Sample ID: <b>mb-67598</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67598</b>			RunNo: <b>88207</b>						
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>			SeqNo: <b>3127029</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	960		1000		95.9	37.7	212			

Sample ID: <b>lcs-67603</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67603</b>			RunNo: <b>88207</b>						
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>			SeqNo: <b>3127053</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.1	72.3	137			
Surr: BFB	2000		1000		198	37.7	212			

Sample ID: <b>mb-67603</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67603</b>			RunNo: <b>88207</b>						
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>			SeqNo: <b>3127054</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	850		1000		85.5	37.7	212			

Sample ID: <b>2205922-016ams</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>SW-33</b>	Batch ID: <b>67603</b>			RunNo: <b>88207</b>						
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>			SeqNo: <b>3127056</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	4.8	24.18	0	94.0	70	130			
Surr: BFB	1900		967.1		194	37.7	212			

Sample ID: <b>2205922-016amsd</b>	SampType: <b>MSD</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>						
Client ID: <b>SW-33</b>	Batch ID: <b>67603</b>			RunNo: <b>88207</b>						
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>			SeqNo: <b>3127057</b>			Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT  
Hall Environmental Analysis Laboratory, Inc.

WO#: 2205922  
02-Jun-22

Client: GHD Midland  
Project: Gissler AV Tank Battery

Sample ID: 2205922-016amsd		SampType: MSD			TestCode: EPA Method 8015D: Gasoline Range					
Client ID: SW-33		Batch ID: 67603			RunNo: 88207					
Prep Date: 5/20/2022		Analysis Date: 5/23/2022			SeqNo: 3127057		Units: mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	23.90	0	101	70	130	5.59	20	
Surr: BFB	1900		956.0		197	37.7	212	0	0	

Qualifiers:

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205922

02-Jun-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>ics-67598</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67598</b>		RunNo: <b>88207</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127080</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.97	0.025	1.000	0	97.0	80	120			
Toluene	0.99	0.050	1.000	0	98.6	80	120			
Ethylbenzene	0.99	0.050	1.000	0	99.0	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.7	80	120			
Surr: 4-Bromofluorobenzene	0.95		1.000		95.5	70	130			

Sample ID: <b>mb-67598</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67598</b>		RunNo: <b>88207</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127081</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.95		1.000		95.0	70	130			

Sample ID: <b>2205922-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BH-38</b>	Batch ID: <b>67598</b>		RunNo: <b>88207</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127083</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.12	0.9852	0	95.5	68.8	120			
Toluene	0.99	0.25	0.9852	0	100	73.6	124			
Ethylbenzene	1.0	0.25	0.9852	0	101	72.7	129			
Xylenes, Total	3.0	0.49	2.956	0	101	75.7	126			
Surr: 4-Bromofluorobenzene	4.9		4.926		98.6	70	130			

Sample ID: <b>2205922-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BH-38</b>	Batch ID: <b>67598</b>		RunNo: <b>88207</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127084</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.12	0.9852	0	93.4	68.8	120	2.14	20	
Toluene	0.96	0.25	0.9852	0	97.7	73.6	124	2.52	20	
Ethylbenzene	0.97	0.25	0.9852	0	98.1	72.7	129	2.98	20	
Xylenes, Total	2.9	0.49	2.956	0	99.1	75.7	126	2.15	20	
Surr: 4-Bromofluorobenzene	4.9		4.926		99.1	70	130	0	0	

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205922

02-Jun-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>ics-67603</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67603</b>		RunNo: <b>88207</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127099</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.94	0.025	1.000	0	94.1	80	120			
Toluene	0.95	0.050	1.000	0	95.0	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.8	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.0	80	120			
Surr: 4-Bromofluorobenzene	0.90		1.000		90.4	70	130			

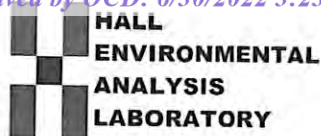
Sample ID: <b>mb-67603</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67603</b>		RunNo: <b>88207</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127100</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

Sample ID: <b>2205922-017ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BH-53</b>	Batch ID: <b>67603</b>		RunNo: <b>88207</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127103</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.88	0.12	0.9794	0	90.3	68.8	120			
Toluene	0.94	0.24	0.9794	0	96.2	73.6	124			
Ethylbenzene	0.95	0.24	0.9794	0	96.6	72.7	129			
Xylenes, Total	2.9	0.49	2.938	0	97.4	75.7	126			
Surr: 4-Bromofluorobenzene	4.7		4.897		95.7	70	130			

Sample ID: <b>2205922-017amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BH-53</b>	Batch ID: <b>67603</b>		RunNo: <b>88207</b>							
Prep Date: <b>5/20/2022</b>	Analysis Date: <b>5/23/2022</b>		SeqNo: <b>3127104</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.12	0.9588	0	94.4	68.8	120	2.32	20	
Toluene	0.96	0.24	0.9588	0	100	73.6	124	1.73	20	
Ethylbenzene	0.96	0.24	0.9588	0	100	72.7	129	1.64	20	
Xylenes, Total	2.9	0.48	2.876	0	101	75.7	126	1.80	20	
Surr: 4-Bromofluorobenzene	4.5		4.794		93.9	70	130	0	0	

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



*Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)*

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2205922

RcptNo: 1

Received By: Juan Rojas

5/20/2022 7:05:00 AM

John S. G.

Completed By: **Juan Rojas**

5/20/2022 7:31:48 AM

James G.

Reviewed By: *[Signature]* 5-20-22

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

**Log In**

- |  |   |  |  |
|--|---|--|--|
| 3. Was an attempt made to cool the samples?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | NA <input type="checkbox"/>                        |
| 4. Were all samples received at a temperature of $>0^{\circ}\text{C}$ to $6.0^{\circ}\text{C}$ | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | NA <input type="checkbox"/>                        |
| 5. Sample(s) in proper container(s)?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 6. Sufficient sample volume for indicated test(s)?   | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 7. Are samples (except VOA and ONG) properly preserved?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 8. Was preservative added to bottles?  | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> | NA <input type="checkbox"/>                        |
| 9. Received at least 1 vial with headspace $<1/4$ " for AQ VOA?                                | Yes <input type="checkbox"/>            | No <input type="checkbox"/>            | NA <input checked="" type="checkbox"/>             |
| 10. Were any sample containers received broken?  | Yes <input type="checkbox"/>            | No <input checked="" type="checkbox"/> |  |
| 11. Does paperwork match bottle labels?<br>(Note discrepancies on chain of custody)            | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | # of preserved bottles checked for pH:<br>( $<2$ ) |
| 12. Are matrices correctly identified on Chain of Custody?                                     | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | Adjusted?  |
| 13. Is it clear what analyses were requested?  | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            |  |
| 14. Were all holding times able to be met?<br>(If no, notify customer for authorization.)      | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/>            | Checked by: _____                                  |

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	1.5	Good				

## Chain-of-Custody Record

Client: GHD

Turn-Around Time:

☒ Standard ☒ Rush

5-dg

Project Name:

Gissler AD Tank Battery

Project #:

12563391

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CP): 16-0-15.5

Container Type and #

Preservative Type

HEAL No. 2265922

-001

-002

-003

-004

-005

-006

-007

-008

-009

-010

-011

012

Received by: Via: Date Time

Via: Date Time

Via: Date Time

Via: Date Time

Via: Date Time

Via: Date Time

Via: Date Time

Via: Date Time

Via: Date Time

Via: Date Time

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)

Date Time Matrix Sample Name

5/11/22 1500 S BH-38

5/12/22 0805 BH-39

5/12/22 0810 BH-40

5/12/22 0815 BH-41

5/12/22 0820 BH-42

5/12/22 0900 BH-43

5/12/22 0905 BH-44

5/12/22 0910 BH-45

5/12/22 0915 BH-46

5/12/22 0920 BH-47

5/12/22 1000 BH-48

5/12/22 1005 BH-49

Date: Time: Relinquished by:

Date: Time: Relinquished by:

Date: Time: Relinquished by:

Date: Time: Relinquished by:

Date: Time: Relinquished by:

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## Analysis Request

BTEX / MTBE / TMBs (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<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub>

8260 (VOA)

8270 (Semi-VOA)

Total Coliform (Present/Absent)

Chloride Method 300

Remarks: Please email: Chase\_Settle@eogresources.com;

Tom.Larson@ghd.com; Zach.Comino@ghd.com

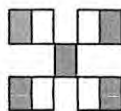
Matthew.Laughlin@ghd.com;

Amber\_Griffin@eogresources.com; Along with Becky

Haskell listed above.

Direct Bill to EOG-Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.

HALL ENVIRONMENTAL  
ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107



## Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Becky.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☒ Standard☒ Rush

Project Name:

Gissler AV Tank Battery

Project #:

12563381

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including CF): 1.6-0.1-1.5

Container Type and #

Preservative Type

HEAL No.

2205922

-016

-017

-018

-019

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Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 03, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Gissler AV Tank Battery

OrderNo.: 2205A91

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 13 sample(s) on 5/25/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-60

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 7:00:00 AM

Lab ID: 2205A91-001

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	280	60		mg/Kg	20	5/31/2022 4:48:32 PM	67789
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	220	9.8		mg/Kg	1	5/28/2022 2:27:01 PM	67711
Motor Oil Range Organics (MRO)	170	49		mg/Kg	1	5/28/2022 2:27:01 PM	67711
Surr: DNOP	92.2	51.1-141		%Rec	1	5/28/2022 2:27:01 PM	67711
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/27/2022 12:29:00 AM	67698
Surr: BFB	89.4	37.7-212		%Rec	1	5/27/2022 12:29:00 AM	67698
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/27/2022 12:29:00 AM	67698
Toluene	ND	0.048		mg/Kg	1	5/27/2022 12:29:00 AM	67698
Ethylbenzene	ND	0.048		mg/Kg	1	5/27/2022 12:29:00 AM	67698
Xylenes, Total	ND	0.095		mg/Kg	1	5/27/2022 12:29:00 AM	67698
Surr: 4-Bromofluorobenzene	91.5	70-130		%Rec	1	5/27/2022 12:29:00 AM	67698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 21

## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-61

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 7:05:00 AM

Lab ID: 2205A91-002

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	820	60		mg/Kg	20	5/31/2022 5:38:11 PM	67791
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.7		mg/Kg	1	5/28/2022 10:51:45 AM	67711
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/28/2022 10:51:45 AM	67711
Surr: DNOP	70.2	51.1-141		%Rec	1	5/28/2022 10:51:45 AM	67711
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/27/2022 12:48:00 AM	67698
Surr: BFB	89.2	37.7-212		%Rec	1	5/27/2022 12:48:00 AM	67698
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/27/2022 12:48:00 AM	67698
Toluene	ND	0.049		mg/Kg	1	5/27/2022 12:48:00 AM	67698
Ethylbenzene	ND	0.049		mg/Kg	1	5/27/2022 12:48:00 AM	67698
Xylenes, Total	ND	0.099		mg/Kg	1	5/27/2022 12:48:00 AM	67698
Surr: 4-Bromofluorobenzene	92.1	70-130		%Rec	1	5/27/2022 12:48:00 AM	67698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 2 of 21

## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-62

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 7:10:00 AM

Lab ID: 2205A91-003

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	550	60		mg/Kg	20	5/31/2022 6:15:25 PM	67791
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	15	9.8		mg/Kg	1	5/28/2022 11:15:25 AM	67711
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	5/28/2022 11:15:25 AM	67711
Surr: DNOP	68.6	51.1-141		%Rec	1	5/28/2022 11:15:25 AM	67711
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/27/2022 1:08:00 AM	67698
Surr: BFB	84.3	37.7-212		%Rec	1	5/27/2022 1:08:00 AM	67698
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/27/2022 1:08:00 AM	67698
Toluene	ND	0.049		mg/Kg	1	5/27/2022 1:08:00 AM	67698
Ethylbenzene	ND	0.049		mg/Kg	1	5/27/2022 1:08:00 AM	67698
Xylenes, Total	ND	0.098		mg/Kg	1	5/27/2022 1:08:00 AM	67698
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	5/27/2022 1:08:00 AM	67698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-63

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:00:00 AM

Lab ID: 2205A91-004

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1900	60		mg/Kg	20	5/31/2022 5:00:57 PM	67789
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	85	9.8		mg/Kg	1	5/28/2022 2:50:43 PM	67711
Motor Oil Range Organics (MRO)	80	49		mg/Kg	1	5/28/2022 2:50:43 PM	67711
Surr: DNOP	97.6	51.1-141		%Rec	1	5/28/2022 2:50:43 PM	67711
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/27/2022 1:28:00 AM	67698
Surr: BFB	88.6	37.7-212		%Rec	1	5/27/2022 1:28:00 AM	67698
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/27/2022 1:28:00 AM	67698
Toluene	ND	0.048		mg/Kg	1	5/27/2022 1:28:00 AM	67698
Ethylbenzene	ND	0.048		mg/Kg	1	5/27/2022 1:28:00 AM	67698
Xylenes, Total	ND	0.097		mg/Kg	1	5/27/2022 1:28:00 AM	67698
Surr: 4-Bromofluorobenzene	89.4	70-130		%Rec	1	5/27/2022 1:28:00 AM	67698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-35

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:05:00 AM

Lab ID: 2205A91-005

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	190	60		mg/Kg	20	5/31/2022 6:27:49 PM	67791
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	37	9.3		mg/Kg	1	5/28/2022 12:02:40 PM	67711
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/28/2022 12:02:40 PM	67711
Surr: DNOP	80.0	51.1-141		%Rec	1	5/28/2022 12:02:40 PM	67711
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/27/2022 1:47:00 AM	67698
Surr: BFB	89.6	37.7-212		%Rec	1	5/27/2022 1:47:00 AM	67698
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/27/2022 1:47:00 AM	67698
Toluene	ND	0.050		mg/Kg	1	5/27/2022 1:47:00 AM	67698
Ethylbenzene	ND	0.050		mg/Kg	1	5/27/2022 1:47:00 AM	67698
Xylenes, Total	ND	0.10		mg/Kg	1	5/27/2022 1:47:00 AM	67698
Surr: 4-Bromofluorobenzene	93.6	70-130		%Rec	1	5/27/2022 1:47:00 AM	67698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-36

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:10:00 AM

Lab ID: 2205A91-006

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	180	60		mg/Kg	20	5/31/2022 6:40:14 PM	67791
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.9		mg/Kg	1	5/28/2022 12:26:19 PM	67711
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/28/2022 12:26:19 PM	67711
Surr: DNOP	78.0	51.1-141		%Rec	1	5/28/2022 12:26:19 PM	67711
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/27/2022 2:07:00 AM	67698
Surr: BFB	89.1	37.7-212		%Rec	1	5/27/2022 2:07:00 AM	67698
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/27/2022 2:07:00 AM	67698
Toluene	ND	0.048		mg/Kg	1	5/27/2022 2:07:00 AM	67698
Ethylbenzene	ND	0.048		mg/Kg	1	5/27/2022 2:07:00 AM	67698
Xylenes, Total	ND	0.096		mg/Kg	1	5/27/2022 2:07:00 AM	67698
Surr: 4-Bromofluorobenzene	90.1	70-130		%Rec	1	5/27/2022 2:07:00 AM	67698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-64

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:15:00 AM

Lab ID: 2205A91-007

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	340	60		mg/Kg	20	5/31/2022 6:52:39 PM	67791
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	16	10		mg/Kg	1	5/28/2022 12:50:00 PM	67711
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	5/28/2022 12:50:00 PM	67711
Surr: DNOP	95.4	51.1-141		%Rec	1	5/28/2022 12:50:00 PM	67711
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/27/2022 2:26:00 AM	67698
Surr: BFB	84.3	37.7-212		%Rec	1	5/27/2022 2:26:00 AM	67698
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	5/27/2022 2:26:00 AM	67698
Toluene	ND	0.047		mg/Kg	1	5/27/2022 2:26:00 AM	67698
Ethylbenzene	ND	0.047		mg/Kg	1	5/27/2022 2:26:00 AM	67698
Xylenes, Total	ND	0.093		mg/Kg	1	5/27/2022 2:26:00 AM	67698
Surr: 4-Bromofluorobenzene	87.6	70-130		%Rec	1	5/27/2022 2:26:00 AM	67698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-65

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:30:00 AM

Lab ID: 2205A91-008

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	660	60		mg/Kg	20	5/31/2022 7:05:04 PM	67791
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	76	9.2		mg/Kg	1	5/28/2022 6:17:28 PM	67711
Motor Oil Range Organics (MRO)	100	46		mg/Kg	1	5/28/2022 6:17:28 PM	67711
Surr: DNOP	87.4	51.1-141		%Rec	1	5/28/2022 6:17:28 PM	67711
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/27/2022 2:46:00 AM	67698
Surr: BFB	91.2	37.7-212		%Rec	1	5/27/2022 2:46:00 AM	67698
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	5/27/2022 2:46:00 AM	67698
Toluene	ND	0.047		mg/Kg	1	5/27/2022 2:46:00 AM	67698
Ethylbenzene	ND	0.047		mg/Kg	1	5/27/2022 2:46:00 AM	67698
Xylenes, Total	ND	0.094		mg/Kg	1	5/27/2022 2:46:00 AM	67698
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	5/27/2022 2:46:00 AM	67698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-66

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:35:00 AM

Lab ID: 2205A91-009

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	930	60		mg/Kg	20	5/31/2022 7:42:17 PM	67791
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	95	9.8		mg/Kg	1	5/28/2022 6:41:40 PM	67711
Motor Oil Range Organics (MRO)	110	49		mg/Kg	1	5/28/2022 6:41:40 PM	67711
Surr: DNOP	86.4	51.1-141		%Rec	1	5/28/2022 6:41:40 PM	67711
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/27/2022 3:06:00 AM	67698
Surr: BFB	84.1	37.7-212		%Rec	1	5/27/2022 3:06:00 AM	67698
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/27/2022 3:06:00 AM	67698
Toluene	ND	0.048		mg/Kg	1	5/27/2022 3:06:00 AM	67698
Ethylbenzene	ND	0.048		mg/Kg	1	5/27/2022 3:06:00 AM	67698
Xylenes, Total	ND	0.095		mg/Kg	1	5/27/2022 3:06:00 AM	67698
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	5/27/2022 3:06:00 AM	67698

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-67

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:40:00 AM

Lab ID: 2205A91-010

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	470	59		mg/Kg	20	5/31/2022 7:54:41 PM	67791
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/26/2022 5:57:33 PM	67701
Surr: BFB	110	70-130		%Rec	1	5/26/2022 5:57:33 PM	67701
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/27/2022 3:13:50 PM	67713
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/27/2022 3:13:50 PM	67713
Surr: DNOP	87.6	51.1-141		%Rec	1	5/27/2022 3:13:50 PM	67713
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JR
Benzene	ND	0.024		mg/Kg	1	5/26/2022 5:57:33 PM	67701
Toluene	ND	0.049		mg/Kg	1	5/26/2022 5:57:33 PM	67701
Ethylbenzene	ND	0.049		mg/Kg	1	5/26/2022 5:57:33 PM	67701
Xylenes, Total	ND	0.098		mg/Kg	1	5/26/2022 5:57:33 PM	67701
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	5/26/2022 5:57:33 PM	67701
Surr: 4-Bromofluorobenzene	100	70-130		%Rec	1	5/26/2022 5:57:33 PM	67701
Surr: Dibromofluoromethane	117	70-130		%Rec	1	5/26/2022 5:57:33 PM	67701
Surr: Toluene-d8	98.4	70-130		%Rec	1	5/26/2022 5:57:33 PM	67701

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-68

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:45:00 AM

Lab ID: 2205A91-011

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	800	61		mg/Kg	20	5/31/2022 8:07:05 PM	67791
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/26/2022 7:23:38 PM	67701
Surr: BFB	110	70-130		%Rec	1	5/26/2022 7:23:38 PM	67701
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	210	10		mg/Kg	1	5/27/2022 3:57:14 PM	67713
Motor Oil Range Organics (MRO)	210	50		mg/Kg	1	5/27/2022 3:57:14 PM	67713
Surr: DNOP	74.7	51.1-141		%Rec	1	5/27/2022 3:57:14 PM	67713
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JR
Benzene	ND	0.025		mg/Kg	1	5/26/2022 7:23:38 PM	67701
Toluene	ND	0.050		mg/Kg	1	5/26/2022 7:23:38 PM	67701
Ethylbenzene	ND	0.050		mg/Kg	1	5/26/2022 7:23:38 PM	67701
Xylenes, Total	ND	0.10		mg/Kg	1	5/26/2022 7:23:38 PM	67701
Surr: 1,2-Dichloroethane-d4	106	70-130		%Rec	1	5/26/2022 7:23:38 PM	67701
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	5/26/2022 7:23:38 PM	67701
Surr: Dibromofluoromethane	117	70-130		%Rec	1	5/26/2022 7:23:38 PM	67701
Surr: Toluene-d8	99.5	70-130		%Rec	1	5/26/2022 7:23:38 PM	67701

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-69

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:50:00 AM

Lab ID: 2205A91-012

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	510	59		mg/Kg	20	5/31/2022 8:44:18 PM	67791
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JR
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/26/2022 8:49:30 PM	67701
Surr: BFB	108	70-130		%Rec	1	5/26/2022 8:49:30 PM	67701
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	340	9.6		mg/Kg	1	5/27/2022 4:18:57 PM	67713
Motor Oil Range Organics (MRO)	200	48		mg/Kg	1	5/27/2022 4:18:57 PM	67713
Surr: DNOP	90.4	51.1-141		%Rec	1	5/27/2022 4:18:57 PM	67713
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JR
Benzene	ND	0.025		mg/Kg	1	5/26/2022 8:49:30 PM	67701
Toluene	ND	0.049		mg/Kg	1	5/26/2022 8:49:30 PM	67701
Ethylbenzene	ND	0.049		mg/Kg	1	5/26/2022 8:49:30 PM	67701
Xylenes, Total	ND	0.099		mg/Kg	1	5/26/2022 8:49:30 PM	67701
Surr: 1,2-Dichloroethane-d4	102	70-130		%Rec	1	5/26/2022 8:49:30 PM	67701
Surr: 4-Bromofluorobenzene	101	70-130		%Rec	1	5/26/2022 8:49:30 PM	67701
Surr: Dibromofluoromethane	117	70-130		%Rec	1	5/26/2022 8:49:30 PM	67701
Surr: Toluene-d8	99.6	70-130		%Rec	1	5/26/2022 8:49:30 PM	67701

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205A91

Date Reported: 6/3/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-37

Project: Gissler AV Tank Battery

Collection Date: 5/20/2022 8:55:00 AM

Lab ID: 2205A91-013

Matrix: SOIL

Received Date: 5/25/2022 7:15:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	200	60		mg/Kg	20	5/31/2022 8:56:42 PM	67791
<b>EPA METHOD 8015D MOD: GASOLINE RANGE</b>							Analyst: JR
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/26/2022 9:18:03 PM	67701
Surr: BFB	109	70-130		%Rec	1	5/26/2022 9:18:03 PM	67701
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: JME
Diesel Range Organics (DRO)	9.9	9.6		mg/Kg	1	5/27/2022 4:40:42 PM	67713
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/27/2022 4:40:42 PM	67713
Surr: DNOP	72.0	51.1-141		%Rec	1	5/27/2022 4:40:42 PM	67713
<b>EPA METHOD 8260B: VOLATILES SHORT LIST</b>							Analyst: JR
Benzene	ND	0.025		mg/Kg	1	5/26/2022 9:18:03 PM	67701
Toluene	ND	0.050		mg/Kg	1	5/26/2022 9:18:03 PM	67701
Ethylbenzene	ND	0.050		mg/Kg	1	5/26/2022 9:18:03 PM	67701
Xylenes, Total	ND	0.099		mg/Kg	1	5/26/2022 9:18:03 PM	67701
Surr: 1,2-Dichloroethane-d4	104	70-130		%Rec	1	5/26/2022 9:18:03 PM	67701
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	5/26/2022 9:18:03 PM	67701
Surr: Dibromofluoromethane	111	70-130		%Rec	1	5/26/2022 9:18:03 PM	67701
Surr: Toluene-d8	99.4	70-130		%Rec	1	5/26/2022 9:18:03 PM	67701

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205A91

03-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67789</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67789</b>	RunNo: <b>88375</b>								
Prep Date: <b>5/31/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3135630</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67789</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67789</b>	RunNo: <b>88375</b>								
Prep Date: <b>5/31/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3135631</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.8	90	110			

Sample ID: <b>MB-67791</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67791</b>	RunNo: <b>88375</b>								
Prep Date: <b>5/31/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3135632</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67791</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67791</b>	RunNo: <b>88375</b>								
Prep Date: <b>5/31/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3135633</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	95.1	90	110			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205A91

03-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>MB-67680</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67680</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/26/2022</b>			SeqNo: <b>3132682</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.3		10.00		93.1	51.1	141			

Sample ID: <b>LCS-67680</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67680</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/26/2022</b>			SeqNo: <b>3132685</b>		Units: <b>%Rec</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.7		5.000		93.1	51.1	141			

Sample ID: <b>MB-67711</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67711</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/28/2022</b>			SeqNo: <b>3133637</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.7		10.00		87.1	51.1	141			

Sample ID: <b>LCS-67711</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67711</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/28/2022</b>			SeqNo: <b>3133639</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	10	50.00	0	94.6	64.4	127			
Surr: DNOP	3.9		5.000		77.9	51.1	141			

Sample ID: <b>MB-67713</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67713</b>			RunNo: <b>88321</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133778</b>		Units: <b>mg/Kg</b>				
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	9.2		10.00		92.2	51.1	141			

Sample ID: <b>LCS-67713</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67713</b>			RunNo: <b>88321</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133779</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205A91

03-Jun-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>LCS-67713</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67713</b>	RunNo: <b>88321</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133779</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	99.1	64.4	127			
Surr: DNOP	4.1		5.000		82.4	51.1	141			

Sample ID: <b>2205A91-010AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-67</b>	Batch ID: <b>67713</b>	RunNo: <b>88321</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133805</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	42	9.5	47.57	8.681	70.5	36.1	154			
Surr: DNOP	2.9		4.757		61.7	51.1	141			

Sample ID: <b>2205A91-010AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-67</b>	Batch ID: <b>67713</b>	RunNo: <b>88321</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133806</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	9.5	47.57	8.681	87.1	36.1	154	17.1	33.9	
Surr: DNOP	2.8		4.757		59.3	51.1	141	0	0	

**Qualifiers:**

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix interference	

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205A9103-Jun-22

Client: GHD Midland  
Project: Gissler AV Tank Battery

Sample ID: <b>Ics-67698</b>		SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>LCSS</b>		Batch ID: <b>67698</b>			RunNo: <b>88315</b>					
Prep Date: <b>5/25/2022</b>		Analysis Date: <b>5/26/2022</b>			SeqNo: <b>3131904</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	108	72.3	137			
Surr: BFB	2000		1000		200	37.7	212			

Sample ID: <b>mb-67698</b>		SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015D: Gasoline Range</b>					
Client ID: <b>PBS</b>		Batch ID: <b>67698</b>			RunNo: <b>88315</b>					
Prep Date: <b>5/25/2022</b>		Analysis Date: <b>5/26/2022</b>			SeqNo: <b>3131905</b>		Units: <b>mg/Kg</b>			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	870		1000		87.3	37.7	212			

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

Page 17 of 21

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205A91

03-Jun-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: <b>lcs-67698</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67698</b>			RunNo: <b>88315</b>						
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/26/2022</b>			SeqNo: <b>3131955</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.9	80	120			
Toluene	0.96	0.050	1.000	0	96.4	80	120			
Ethylbenzene	0.95	0.050	1.000	0	94.6	80	120			
Xylenes, Total	2.8	0.10	3.000	0	94.5	80	120			
Surr: 4-Bromofluorobenzene	0.91		1.000		90.9	70	130			

Sample ID: <b>mb-67698</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67698</b>			RunNo: <b>88315</b>						
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/26/2022</b>			SeqNo: <b>3131956</b>		Units: <b>mg/Kg</b>				
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		89.8	70	130			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205A91

03-Jun-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

Sample ID: 2205a91-011ams	SampType: MS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BH-68	Batch ID: 67701	RunNo: 88322								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132347 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9785	0	106	63.5	137			
Toluene	1.1	0.049	0.9785	0	110	77.6	127			
Ethylbenzene	1.1	0.049	0.9785	0	114	77.9	129			
Xylenes, Total	3.4	0.098	2.935	0	115	76.8	127			
Surr: 1,2-Dichloroethane-d4	0.51		0.4892		104	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.4892		102	70	130			
Surr: Dibromofluoromethane	0.57		0.4892		117	70	130			
Surr: Toluene-d8	0.48		0.4892		98.1	70	130			

Sample ID: 2205a91-011amsd	SampType: MSD4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BH-68	Batch ID: 67701	RunNo: 88322								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132348 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9709	0	104	63.5	137	2.91	20	
Toluene	1.1	0.049	0.9709	0	111	77.6	127	0.301	20	
Ethylbenzene	1.1	0.049	0.9709	0	114	77.9	129	1.38	20	
Xylenes, Total	3.3	0.097	2.913	0	114	76.8	127	1.14	20	
Surr: 1,2-Dichloroethane-d4	0.51		0.4854		105	70	130	0	0	
Surr: 4-Bromofluorobenzene	0.48		0.4854		97.9	70	130	0	0	
Surr: Dibromofluoromethane	0.55		0.4854		113	70	130	0	0	
Surr: Toluene-d8	0.49		0.4854		100	70	130	0	0	

Sample ID: lcs-67701	SampType: LCS4	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: BatchQC	Batch ID: 67701	RunNo: 88322								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132369 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	92.9	80	120			
Toluene	0.98	0.050	1.000	0	97.8	80	120			
Ethylbenzene	1.0	0.050	1.000	0	101	80	120			
Xylenes, Total	3.0	0.10	3.000	0	101	80	120			
Surr: 1,2-Dichloroethane-d4	0.52		0.5000		104	70	130			
Surr: 4-Bromofluorobenzene	0.48		0.5000		95.1	70	130			
Surr: Dibromofluoromethane	0.56		0.5000		113	70	130			
Surr: Toluene-d8	0.49		0.5000		97.2	70	130			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205A91

03-Jun-22

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: mb-67701	SampType: MBLK	TestCode: EPA Method 8260B: Volatiles Short List								
Client ID: PBS	Batch ID: 67701	RunNo: 88322								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132370		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	0.52		0.5000		103	70	130			
Surr: 4-Bromofluorobenzene	0.50		0.5000		100	70	130			
Surr: Dibromofluoromethane	0.58		0.5000		115	70	130			
Surr: Toluene-d8	0.50		0.5000		100	70	130			

Qualifiers:

- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference
- B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205A91

03-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: 2205a91-010ams	SampType: MS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: BH-67	Batch ID: 67701	RunNo: 88322								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132375 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.7	23.67	1.636	113	61.1	127			
Surr: BFB	490		473.5		104	70	130			

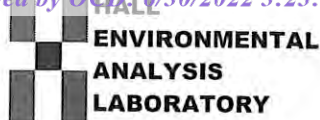
Sample ID: 2205a91-010amsd	SampType: MSD	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: BH-67	Batch ID: 67701	RunNo: 88322								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132376 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	24.04	1.636	98.7	61.1	127	11.3	20	
Surr: BFB	500		480.8		104	70	130	0	0	

Sample ID: lcs-67701	SampType: LCS	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: LCSS	Batch ID: 67701	RunNo: 88322								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132396 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	95.6	70	130			
Surr: BFB	510		500.0		102	70	130			

Sample ID: mb-67701	SampType: MBLK	TestCode: EPA Method 8015D Mod: Gasoline Range								
Client ID: PBS	Batch ID: 67701	RunNo: 88322								
Prep Date: 5/25/2022	Analysis Date: 5/26/2022	SeqNo: 3132397 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	550		500.0		109	70	130			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2205A91

RcptNo: 1

Received By: Juan Rojas

5/25/2022 7:15:00 AM

*[Signature]*

Completed By: Sean Livingston

5/25/2022 8:29:53 AM

*[Signature]*

Reviewed By: TML

5/25/22

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: *KPL 5.25.22*Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	2.3	Good				



## Chain-of-Custody Record

Client: GHD

Mailing Address:

324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

email or Fax#: Beckv.Haskell@ghd.com

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)Accreditation: ☐ Az Compliance☐ NELAC ☐ Other☐ EDD (Type)

Turn-Around Time:

☐ Standard ☒ Rush

Project Name:

Project #:

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers:

Cooler Temp (including CF): 23-0323

Container Type and #

Preservative Type

HEAL No.

Date Time Matrix Sample Name

05/28/2022 0855 S SW-37

013

Date:

05/28/2022 0800

Relinquished by:

Zach Comino

Received by:

Becky Haskell

Date Time

5/28/2022 800

Via:

Via:

Date Time

5/28/2022 7:15

Date:

5/28/2022 170

Relinquished by:

Becky Haskell

Received by:

Becky Haskell

Date Time

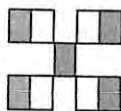
5/28/2022 7:15

Via:

Via:

Date Time

5/28/2022 7:15



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

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<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub> ☒

8260 (VOA) ☒

8270 (Semi-VOA) ☒

Total Coliform (Present/Absent) ☒

Chloride Method 300 ☒

Remarks: Please email: Chase\_Settle@eogresources.com;  
Tom.Larson@ghd.com; Zach.Comino@ghd.com  
Matthew.Laughlin@ghd.com;  
Amber\_Griffin@eogresources.com: Along with Becky  
Haskell listed above.

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 07, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Gissler AV Battery

OrderNo.: 2205B73

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 19 sample(s) on 5/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-38

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:00:00 AM

Lab ID: 2205B73-001

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	76	60		mg/Kg	20	6/1/2022 5:25:22 AM	67796
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/27/2022 11:47:48 PM	67736
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/27/2022 11:47:48 PM	67736
Surr: DNOP	92.8	51.1-141		%Rec	1	5/27/2022 11:47:48 PM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Surr: BFB	89.1	37.7-212		%Rec	1	5/28/2022 12:44:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Toluene	ND	0.050		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Xylenes, Total	ND	0.10		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	5/28/2022 12:44:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-39

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:05:00 AM

Lab ID: 2205B73-002

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/1/2022 5:37:46 AM	67796
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/28/2022 12:11:37 AM	67736
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/28/2022 12:11:37 AM	67736
Surr: DNOP	52.5	51.1-141		%Rec	1	5/28/2022 12:11:37 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Surr: BFB	86.2	37.7-212		%Rec	1	5/28/2022 1:04:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Toluene	ND	0.049		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Xylenes, Total	ND	0.099		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	5/28/2022 1:04:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-70

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:10:00 AM

Lab ID: 2205B73-003

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	300	60		mg/Kg	20	6/1/2022 5:50:10 AM	67796
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	5/28/2022 12:58:45 AM	67736
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	5/28/2022 12:58:45 AM	67736
Surr: DNOP	85.0	51.1-141		%Rec	1	5/28/2022 12:58:45 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Surr: BFB	88.4	37.7-212		%Rec	1	5/28/2022 1:24:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Toluene	ND	0.047		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Ethylbenzene	ND	0.047		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Xylenes, Total	ND	0.095		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	5/28/2022 1:24:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-71

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:15:00 AM

Lab ID: 2205B73-004

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1700	60		mg/Kg	20	6/1/2022 6:01:42 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	9.1	9.0		mg/Kg	1	5/28/2022 1:22:33 AM	67736
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/28/2022 1:22:33 AM	67736
Surr: DNOP	71.6	51.1-141		%Rec	1	5/28/2022 1:22:33 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Surr: BFB	85.9	37.7-212		%Rec	1	5/28/2022 1:43:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Toluene	ND	0.048		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Ethylbenzene	ND	0.048		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Xylenes, Total	ND	0.096		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	5/28/2022 1:43:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-40

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:20:00 AM

Lab ID: 2205B73-005

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	75	60		mg/Kg	20	6/1/2022 6:14:07 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/28/2022 1:46:24 AM	67736
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/28/2022 1:46:24 AM	67736
Surr: DNOP	94.9	51.1-141		%Rec	1	5/28/2022 1:46:24 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Surr: BFB	93.7	37.7-212		%Rec	1	5/28/2022 2:03:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Toluene	ND	0.049		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Xylenes, Total	ND	0.098		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	5/28/2022 2:03:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-72

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:00:00 AM

Lab ID: 2205B73-006

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1800	60		mg/Kg	20	6/1/2022 6:51:18 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	43	8.8		mg/Kg	1	5/28/2022 2:09:59 AM	67736
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	5/28/2022 2:09:59 AM	67736
Surr: DNOP	61.1	51.1-141		%Rec	1	5/28/2022 2:09:59 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Surr: BFB	88.1	37.7-212		%Rec	1	5/28/2022 2:23:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Toluene	ND	0.050		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Xylenes, Total	ND	0.099		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	5/28/2022 2:23:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-73

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:05:00 AM

Lab ID: 2205B73-007

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	700	59		mg/Kg	20	6/1/2022 7:03:43 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	28	9.7		mg/Kg	1	5/28/2022 2:33:50 AM	67736
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/28/2022 2:33:50 AM	67736
Surr: DNOP	87.6	51.1-141		%Rec	1	5/28/2022 2:33:50 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Surr: BFB	91.0	37.7-212		%Rec	1	5/28/2022 2:42:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Toluene	ND	0.049		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Xylenes, Total	ND	0.098		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	5/28/2022 2:42:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-74

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:10:00 AM

Lab ID: 2205B73-008

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	720	60		mg/Kg	20	6/1/2022 7:16:08 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	64	9.5		mg/Kg	1	5/28/2022 2:57:25 AM	67736
Motor Oil Range Organics (MRO)	57	47		mg/Kg	1	5/28/2022 2:57:25 AM	67736
Surr: DNOP	119	51.1-141		%Rec	1	5/28/2022 2:57:25 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Surr: BFB	90.8	37.7-212		%Rec	1	5/28/2022 3:02:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Toluene	ND	0.050		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Xylenes, Total	ND	0.10		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	5/28/2022 3:02:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-75

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:15:00 AM

Lab ID: 2205B73-009

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	990	59		mg/Kg	20	6/1/2022 7:28:33 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	130	8.6		mg/Kg	1	5/28/2022 3:21:06 AM	67736
Motor Oil Range Organics (MRO)	130	43		mg/Kg	1	5/28/2022 3:21:06 AM	67736
Surr: DNOP	107	51.1-141		%Rec	1	5/28/2022 3:21:06 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Surr: BFB	94.1	37.7-212		%Rec	1	5/28/2022 3:22:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Toluene	ND	0.049		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Xylenes, Total	ND	0.097		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	5/28/2022 3:22:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-76

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:20:00 AM

Lab ID: 2205B73-010

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1300	60		mg/Kg	20	6/1/2022 7:40:58 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	96	9.4		mg/Kg	1	5/28/2022 4:16:09 PM	67736
Motor Oil Range Organics (MRO)	69	47		mg/Kg	1	5/28/2022 4:16:09 PM	67736
Surr: DNOP	75.4	51.1-141		%Rec	1	5/28/2022 4:16:09 PM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Surr: BFB	86.8	37.7-212		%Rec	1	5/28/2022 3:42:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Toluene	ND	0.050		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Xylenes, Total	ND	0.10		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	5/28/2022 3:42:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-77

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:00:00 AM

Lab ID: 2205B73-011

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	710	60		mg/Kg	20	6/1/2022 7:53:23 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	100	9.1		mg/Kg	1	5/31/2022 11:02:42 AM	67765
Motor Oil Range Organics (MRO)	120	46		mg/Kg	1	5/31/2022 11:02:42 AM	67765
Surr: DNOP	92.2	51.1-141		%Rec	1	5/31/2022 11:02:42 AM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Surr: BFB	93.9	37.7-212		%Rec	1	5/27/2022 9:16:56 PM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Toluene	ND	0.048		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Ethylbenzene	ND	0.048		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Xylenes, Total	ND	0.097		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	5/27/2022 9:16:56 PM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-78

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:05:00 AM

Lab ID: 2205B73-012

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1600	60		mg/Kg	20	6/1/2022 8:05:48 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	380	9.0		mg/Kg	1	6/2/2022 10:02:47 AM	67765
Motor Oil Range Organics (MRO)	320	45		mg/Kg	1	6/2/2022 10:02:47 AM	67765
Surr: DNOP	107	51.1-141		%Rec	1	6/2/2022 10:02:47 AM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Surr: BFB	92.9	37.7-212		%Rec	1	5/27/2022 10:27:19 PM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Toluene	ND	0.047		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Ethylbenzene	ND	0.047		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Xylenes, Total	ND	0.095		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	5/27/2022 10:27:19 PM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-41

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:10:00 AM

Lab ID: 2205B73-013

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	61		mg/Kg	20	6/1/2022 8:18:13 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	100	8.6		mg/Kg	1	6/2/2022 10:50:07 AM	67765
Motor Oil Range Organics (MRO)	310	43		mg/Kg	1	6/2/2022 10:50:07 AM	67765
Surr: DNOP	107	51.1-141		%Rec	1	6/2/2022 10:50:07 AM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Surr: BFB	90.4	37.7-212		%Rec	1	5/27/2022 11:37:31 PM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Toluene	ND	0.049		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Ethylbenzene	ND	0.049		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Xylenes, Total	ND	0.098		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	5/27/2022 11:37:31 PM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-42

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:15:00 AM

Lab ID: 2205B73-014

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/1/2022 8:30:38 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	110	8.7		mg/Kg	1	6/2/2022 11:37:32 AM	67765
Motor Oil Range Organics (MRO)	330	44		mg/Kg	1	6/2/2022 11:37:32 AM	67765
Surr: DNOP	97.1	51.1-141		%Rec	1	6/2/2022 11:37:32 AM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Surr: BFB	94.7	37.7-212		%Rec	1	5/28/2022 12:01:04 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Toluene	ND	0.049		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Xylenes, Total	ND	0.098		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	5/28/2022 12:01:04 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-28A

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:20:00 AM

Lab ID: 2205B73-015

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1900	60		mg/Kg	20	6/1/2022 8:43:02 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	200	9.6		mg/Kg	1	6/2/2022 12:44:48 PM	67765
Motor Oil Range Organics (MRO)	320	48		mg/Kg	1	6/2/2022 12:44:48 PM	67765
Surr: DNOP	99.2	51.1-141		%Rec	1	6/2/2022 12:44:48 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Surr: BFB	92.6	37.7-212		%Rec	1	5/28/2022 12:24:44 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Toluene	ND	0.050		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Xylenes, Total	ND	0.10		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	5/28/2022 12:24:44 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-79

Project: Gissler AV Battery

Collection Date: 5/24/2022 11:00:00 AM

Lab ID: 2205B73-016

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1500	60		mg/Kg	20	6/1/2022 9:20:17 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	120	9.1		mg/Kg	1	6/2/2022 1:32:21 PM	67765
Motor Oil Range Organics (MRO)	140	46		mg/Kg	1	6/2/2022 1:32:21 PM	67765
Surr: DNOP	106	51.1-141		%Rec	1	6/2/2022 1:32:21 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Surr: BFB	94.9	37.7-212		%Rec	1	5/28/2022 12:48:06 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Toluene	ND	0.047		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Ethylbenzene	ND	0.047		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Xylenes, Total	ND	0.093		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	5/28/2022 12:48:06 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-80

Project: Gissler AV Battery

Collection Date: 5/24/2022 11:05:00 AM

Lab ID: 2205B73-017

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1200	60		mg/Kg	20	6/1/2022 9:32:41 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	47	9.6		mg/Kg	1	5/31/2022 2:36:45 PM	67765
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/31/2022 2:36:45 PM	67765
Surr: DNOP	82.6	51.1-141		%Rec	1	5/31/2022 2:36:45 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Surr: BFB	93.4	37.7-212		%Rec	1	5/28/2022 1:11:30 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Toluene	ND	0.049		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Xylenes, Total	ND	0.098		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	5/28/2022 1:11:30 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-19A

Project: Gissler AV Battery

Collection Date: 5/24/2022 11:10:00 AM

Lab ID: 2205B73-018

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1200	60		mg/Kg	20	6/1/2022 9:45:06 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	68	9.9		mg/Kg	1	5/31/2022 3:00:26 PM	67765
Motor Oil Range Organics (MRO)	75	49		mg/Kg	1	5/31/2022 3:00:26 PM	67765
Surr: DNOP	91.9	51.1-141		%Rec	1	5/31/2022 3:00:26 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Surr: BFB	94.3	37.7-212		%Rec	1	5/28/2022 1:34:56 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Toluene	ND	0.048		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Ethylbenzene	ND	0.048		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Xylenes, Total	ND	0.096		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	5/28/2022 1:34:56 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-42

Project: Gissler AV Battery

Collection Date: 5/24/2022 11:15:00 AM

Lab ID: 2205B73-019

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	90	60		mg/Kg	20	6/1/2022 9:57:32 PM	67832
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	26	8.3		mg/Kg	1	5/31/2022 3:24:12 PM	67765
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	5/31/2022 3:24:12 PM	67765
Surr: DNOP	95.3	51.1-141		%Rec	1	5/31/2022 3:24:12 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Surr: BFB	98.1	37.7-212		%Rec	1	5/28/2022 1:58:20 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Toluene	ND	0.047		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Ethylbenzene	ND	0.047		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Xylenes, Total	ND	0.094		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	5/28/2022 1:58:20 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-67796</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67796</b>	RunNo: <b>88375</b>								
Prep Date: <b>5/31/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3135693</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67796</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67796</b>	RunNo: <b>88375</b>								
Prep Date: <b>5/31/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3135694</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Sample ID: <b>MB-67827</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67827</b>	RunNo: <b>88432</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137371</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67827</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67827</b>	RunNo: <b>88432</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137372</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Sample ID: <b>MB-67832</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67832</b>	RunNo: <b>88432</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137379</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67832</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67832</b>	RunNo: <b>88432</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137380</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

**Qualifiers:**

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix interference	

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-67678</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67678</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/25/2022</b>			SeqNo: <b>3130799</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.1		10.00		90.6	51.1	141			

Sample ID: <b>LCS-67678</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67678</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/25/2022</b>			SeqNo: <b>3130800</b>	Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.5	51.1	141			

Sample ID: <b>MB-67736</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67736</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133612</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	51.1	141			

Sample ID: <b>LCS-67736</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67736</b>			RunNo: <b>88246</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133613</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	64.4	127			
Surr: DNOP	4.7		5.000		93.7	51.1	141			

Sample ID: <b>MB-67765</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67765</b>			RunNo: <b>88381</b>						
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>			SeqNo: <b>3135345</b>	Units: <b>mg/Kg</b>					
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	6.8		10.00		68.2	51.1	141			

Sample ID: <b>2205B73-011AMS</b>	SampType: <b>MS</b>			TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>						
Client ID: <b>BH-77</b>	Batch ID: <b>67765</b>			RunNo: <b>88381</b>						
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>			SeqNo: <b>3135347</b>	Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>2205B73-011AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-77</b>	Batch ID: <b>67765</b>	RunNo: <b>88381</b>								
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3135347</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	110	9.2	45.87	102.3	15.7	36.1	154			S
Surr: DNOP	3.9		4.587		85.4	51.1	141			

Sample ID: <b>2205B73-011AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-77</b>	Batch ID: <b>67765</b>	RunNo: <b>88381</b>								
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3135348</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	120	9.7	48.45	102.3	45.8	36.1	154	12.8	33.9	
Surr: DNOP	4.3		4.845		88.1	51.1	141	0	0	

Sample ID: <b>LCS-67765</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67765</b>	RunNo: <b>88381</b>								
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3135454</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	64.4	127			
Surr: DNOP	2.7		5.000		53.2	51.1	141			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-67730</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133399</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.9	37.7	212			

Sample ID: <b>lcs-67730</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133400</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	72.3	137			
Surr: BFB	2200		1000		219	37.7	212			S

Sample ID: <b>2205b73-011ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BH-77</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133402</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	35	4.8	24.13	0	146	70	130			S
Surr: BFB	2300		965.3		243	37.7	212			S

Sample ID: <b>2205b73-011amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BH-77</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133403</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	35	4.8	24.20	0	146	70	130	0.372	20	S
Surr: BFB	2300		968.1		241	37.7	212	0	0	S

Sample ID: <b>lcs-67728</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67728</b>	RunNo: <b>88349</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133510</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.0	72.3	137			
Surr: BFB	1800		1000		184	37.7	212			

Sample ID: <b>mb-67728</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67728</b>	RunNo: <b>88349</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133511</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205B73

07-Jun-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: mb-67728	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67728	RunNo: 88349								
Prep Date: 5/26/2022	Analysis Date: 5/27/2022	SeqNo: 3133511		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	880		1000		87.5	37.7	212			

- Qualifiers:
- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-67730</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133452</b> Units: <b>mg/Kg</b>								
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		103	70	130			

Sample ID: <b>LCS-67730</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133453</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.6	80	120			
Toluene	0.97	0.050	1.000	0	97.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: <b>2205b73-012ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-78</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133456</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9443	0	110	68.8	120			
Toluene	1.1	0.047	0.9443	0	116	73.6	124			
Ethylbenzene	1.1	0.047	0.9443	0	118	72.7	129			
Xylenes, Total	3.3	0.094	2.833	0.01722	117	75.7	126			
Surr: 4-Bromofluorobenzene	0.96		0.9443		102	70	130			

Sample ID: <b>2205b73-012amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-78</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133457</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9425	0	112	68.8	120	1.81	20	
Toluene	1.1	0.047	0.9425	0	119	73.6	124	2.25	20	
Ethylbenzene	1.1	0.047	0.9425	0	120	72.7	129	1.68	20	
Xylenes, Total	3.4	0.094	2.828	0.01722	120	75.7	126	2.19	20	
Surr: 4-Bromofluorobenzene	0.93		0.9425		98.8	70	130	0	0	

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

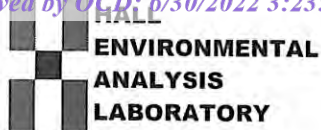
**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>ics-67728</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67728</b>			RunNo: <b>88349</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133559</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.2	80	120			
Toluene	0.94	0.050	1.000	0	94.5	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.2	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.2	70	130			

Sample ID: <b>mb-67728</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67728</b>			RunNo: <b>88349</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133560</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2205B73

RcptNo: 1

Received By: Tracy Casarrubias 5/26/2022 7:00:00 AM

Completed By: Tracy Casarrubias 5/26/2022 8:31:34 AM

Reviewed By: *[Signature]* 5-26-22Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted?

Checked by: *SG 5/26/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good	Yes			
2	3.7	Good	Yes			
3	1.6	Good	Yes			
4	2.4	Good	Yes			

## Chain-of-Custody Record

Client: GHD		Turn-Around Time:	
		<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>5-8g</u>	
Mailing Address:		Project Name:	
		<u>Gissler AU B. H.</u>	
324 W. Main St. Suite 108, Artesia NM 88210		Project #:	
Phone #: (505)377-4218		<u>12567391</u>	
email or Fax#: <u>Becky.Haskell@ghd.com</u>		Project Manager:	
QA/QC Package:		Becky Haskell	
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		Tom Larson	
Accreditation: <input type="checkbox"/> Az Compliance <input type="checkbox"/> Other		Sampler: Zach Comino	
<input type="checkbox"/> NELAC <input type="checkbox"/> Other		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> EDD (Type)		# of Coolers: <u>3</u>	
		Cooler Temp (including CP): <u>See Checklist</u>	
Date	Time	Matrix	Sample Name
05/20/2022	0800	S	SLJ-38
0805			SLJ-39
0810			BH-70
0815			BH-71
0820			SLJ-40
0900			BH-72
0905			BH-73
0910			BH-74
0915			BH-75
0920			BH-76
1000			BH-77
1005			<del>BH-78</del>
Date:	Time:	Relinquished by:	Received by: Via: Date Time
05/20/2022	0800	<u>Zach Comino</u>	<u>5/23/22</u> 800
Date:	Time:	Relinquished by:	Received by: Via: Date Time
5/20/22	1900	<u>Becky Haskell</u>	<u>5/26/22</u> 7:00



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

BTEX / MTBE / TMBs (8021) ☒  
 TPH:8015D(GRO / DRO / MRO) ☒  
 8081 Pesticides/8082 PCBs ☒  
 EDB (Method 504.1) ☒  
 PAHs by 8310 or 8270SIMS ☒  
 RCRA 8 Metals ☒  
 Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub> ☒  
 8260 (VOA) ☒  
 8270 (Semi-VOA) ☒  
 Total Coliform (Present/Absent) ☒  
 Chloride Method 300 ☒

Remarks: Please email: Chase\_Settle@eogresources.com;  
 Tom.Larson@ghd.com; Zach.Comino@ghd.com  
 Matthew.Laughlin@ghd.com;  
 Amber\_Griffin@eogresources.com; Along with Becky  
 Haskell listed above.

Direct Bill to EOG Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.

## HALL ENVIRONMENTAL ANALYSIS LABORATORY

[www.hallenvironmental.com](http://www.hallenvironmental.com)

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

[illegible]

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.

~~Direct Bill to EOC Chase Settle~~

~~Direct Bill to EOC Chase Settle~~

~~Direct Bill to EOC Chase Settle~~



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 07, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Gissler AV Battery

OrderNo.: 2205B73

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 19 sample(s) on 5/26/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a light blue horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-38

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:00:00 AM

Lab ID: 2205B73-001

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	76	60		mg/Kg	20	6/1/2022 5:25:22 AM	67796
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/27/2022 11:47:48 PM	67736
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/27/2022 11:47:48 PM	67736
Surr: DNOP	92.8	51.1-141		%Rec	1	5/27/2022 11:47:48 PM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Surr: BFB	89.1	37.7-212		%Rec	1	5/28/2022 12:44:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Toluene	ND	0.050		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Xylenes, Total	ND	0.10		mg/Kg	1	5/28/2022 12:44:00 AM	67728
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	5/28/2022 12:44:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-39

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:05:00 AM

Lab ID: 2205B73-002

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/1/2022 5:37:46 AM	67796
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.4		mg/Kg	1	5/28/2022 12:11:37 AM	67736
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	5/28/2022 12:11:37 AM	67736
Surr: DNOP	52.5	51.1-141		%Rec	1	5/28/2022 12:11:37 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Surr: BFB	86.2	37.7-212		%Rec	1	5/28/2022 1:04:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Toluene	ND	0.049		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Xylenes, Total	ND	0.099		mg/Kg	1	5/28/2022 1:04:00 AM	67728
Surr: 4-Bromofluorobenzene	86.8	70-130		%Rec	1	5/28/2022 1:04:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-70

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:10:00 AM

Lab ID: 2205B73-003

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	300	60		mg/Kg	20	6/1/2022 5:50:10 AM	67796
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	8.9		mg/Kg	1	5/28/2022 12:58:45 AM	67736
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	5/28/2022 12:58:45 AM	67736
Surr: DNOP	85.0	51.1-141		%Rec	1	5/28/2022 12:58:45 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Surr: BFB	88.4	37.7-212		%Rec	1	5/28/2022 1:24:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Toluene	ND	0.047		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Ethylbenzene	ND	0.047		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Xylenes, Total	ND	0.095		mg/Kg	1	5/28/2022 1:24:00 AM	67728
Surr: 4-Bromofluorobenzene	90.3	70-130		%Rec	1	5/28/2022 1:24:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-71

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:15:00 AM

Lab ID: 2205B73-004

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1700	60		mg/Kg	20	6/1/2022 6:01:42 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	9.1	9.0		mg/Kg	1	5/28/2022 1:22:33 AM	67736
Motor Oil Range Organics (MRO)	ND	45		mg/Kg	1	5/28/2022 1:22:33 AM	67736
Surr: DNOP	71.6	51.1-141		%Rec	1	5/28/2022 1:22:33 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Surr: BFB	85.9	37.7-212		%Rec	1	5/28/2022 1:43:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Toluene	ND	0.048		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Ethylbenzene	ND	0.048		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Xylenes, Total	ND	0.096		mg/Kg	1	5/28/2022 1:43:00 AM	67728
Surr: 4-Bromofluorobenzene	90.2	70-130		%Rec	1	5/28/2022 1:43:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-40

Project: Gissler AV Battery

Collection Date: 5/24/2022 8:20:00 AM

Lab ID: 2205B73-005

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	75	60		mg/Kg	20	6/1/2022 6:14:07 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	9.5		mg/Kg	1	5/28/2022 1:46:24 AM	67736
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/28/2022 1:46:24 AM	67736
Surr: DNOP	94.9	51.1-141		%Rec	1	5/28/2022 1:46:24 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Surr: BFB	93.7	37.7-212		%Rec	1	5/28/2022 2:03:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Toluene	ND	0.049		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Xylenes, Total	ND	0.098		mg/Kg	1	5/28/2022 2:03:00 AM	67728
Surr: 4-Bromofluorobenzene	93.4	70-130		%Rec	1	5/28/2022 2:03:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-72

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:00:00 AM

Lab ID: 2205B73-006

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1800	60		mg/Kg	20	6/1/2022 6:51:18 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	43	8.8		mg/Kg	1	5/28/2022 2:09:59 AM	67736
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	5/28/2022 2:09:59 AM	67736
Surr: DNOP	61.1	51.1-141		%Rec	1	5/28/2022 2:09:59 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Surr: BFB	88.1	37.7-212		%Rec	1	5/28/2022 2:23:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Toluene	ND	0.050		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Xylenes, Total	ND	0.099		mg/Kg	1	5/28/2022 2:23:00 AM	67728
Surr: 4-Bromofluorobenzene	91.4	70-130		%Rec	1	5/28/2022 2:23:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-73

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:05:00 AM

Lab ID: 2205B73-007

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	700	59		mg/Kg	20	6/1/2022 7:03:43 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	28	9.7		mg/Kg	1	5/28/2022 2:33:50 AM	67736
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/28/2022 2:33:50 AM	67736
Surr: DNOP	87.6	51.1-141		%Rec	1	5/28/2022 2:33:50 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Surr: BFB	91.0	37.7-212		%Rec	1	5/28/2022 2:42:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Toluene	ND	0.049		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Xylenes, Total	ND	0.098		mg/Kg	1	5/28/2022 2:42:00 AM	67728
Surr: 4-Bromofluorobenzene	91.1	70-130		%Rec	1	5/28/2022 2:42:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-74

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:10:00 AM

Lab ID: 2205B73-008

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	720	60		mg/Kg	20	6/1/2022 7:16:08 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	64	9.5		mg/Kg	1	5/28/2022 2:57:25 AM	67736
Motor Oil Range Organics (MRO)	57	47		mg/Kg	1	5/28/2022 2:57:25 AM	67736
Surr: DNOP	119	51.1-141		%Rec	1	5/28/2022 2:57:25 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Surr: BFB	90.8	37.7-212		%Rec	1	5/28/2022 3:02:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Toluene	ND	0.050		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Xylenes, Total	ND	0.10		mg/Kg	1	5/28/2022 3:02:00 AM	67728
Surr: 4-Bromofluorobenzene	89.0	70-130		%Rec	1	5/28/2022 3:02:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-75

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:15:00 AM

Lab ID: 2205B73-009

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	990	59		mg/Kg	20	6/1/2022 7:28:33 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	130	8.6		mg/Kg	1	5/28/2022 3:21:06 AM	67736
Motor Oil Range Organics (MRO)	130	43		mg/Kg	1	5/28/2022 3:21:06 AM	67736
Surr: DNOP	107	51.1-141		%Rec	1	5/28/2022 3:21:06 AM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Surr: BFB	94.1	37.7-212		%Rec	1	5/28/2022 3:22:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Toluene	ND	0.049		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Xylenes, Total	ND	0.097		mg/Kg	1	5/28/2022 3:22:00 AM	67728
Surr: 4-Bromofluorobenzene	93.0	70-130		%Rec	1	5/28/2022 3:22:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-76

Project: Gissler AV Battery

Collection Date: 5/24/2022 9:20:00 AM

Lab ID: 2205B73-010

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1300	60		mg/Kg	20	6/1/2022 7:40:58 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	96	9.4		mg/Kg	1	5/28/2022 4:16:09 PM	67736
Motor Oil Range Organics (MRO)	69	47		mg/Kg	1	5/28/2022 4:16:09 PM	67736
Surr: DNOP	75.4	51.1-141		%Rec	1	5/28/2022 4:16:09 PM	67736
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Surr: BFB	86.8	37.7-212		%Rec	1	5/28/2022 3:42:00 AM	67728
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Toluene	ND	0.050		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Xylenes, Total	ND	0.10		mg/Kg	1	5/28/2022 3:42:00 AM	67728
Surr: 4-Bromofluorobenzene	88.4	70-130		%Rec	1	5/28/2022 3:42:00 AM	67728

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-77

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:00:00 AM

Lab ID: 2205B73-011

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	710	60		mg/Kg	20	6/1/2022 7:53:23 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	100	9.1		mg/Kg	1	5/31/2022 11:02:42 AM	67765
Motor Oil Range Organics (MRO)	120	46		mg/Kg	1	5/31/2022 11:02:42 AM	67765
Surr: DNOP	92.2	51.1-141		%Rec	1	5/31/2022 11:02:42 AM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Surr: BFB	93.9	37.7-212		%Rec	1	5/27/2022 9:16:56 PM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Toluene	ND	0.048		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Ethylbenzene	ND	0.048		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Xylenes, Total	ND	0.097		mg/Kg	1	5/27/2022 9:16:56 PM	67730
Surr: 4-Bromofluorobenzene	98.5	70-130		%Rec	1	5/27/2022 9:16:56 PM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-78

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:05:00 AM

Lab ID: 2205B73-012

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1600	60		mg/Kg	20	6/1/2022 8:05:48 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	380	9.0		mg/Kg	1	6/2/2022 10:02:47 AM	67765
Motor Oil Range Organics (MRO)	320	45		mg/Kg	1	6/2/2022 10:02:47 AM	67765
Surr: DNOP	107	51.1-141		%Rec	1	6/2/2022 10:02:47 AM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Surr: BFB	92.9	37.7-212		%Rec	1	5/27/2022 10:27:19 PM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Toluene	ND	0.047		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Ethylbenzene	ND	0.047		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Xylenes, Total	ND	0.095		mg/Kg	1	5/27/2022 10:27:19 PM	67730
Surr: 4-Bromofluorobenzene	94.2	70-130		%Rec	1	5/27/2022 10:27:19 PM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-41

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:10:00 AM

Lab ID: 2205B73-013

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	61		mg/Kg	20	6/1/2022 8:18:13 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	100	8.6		mg/Kg	1	6/2/2022 10:50:07 AM	67765
Motor Oil Range Organics (MRO)	310	43		mg/Kg	1	6/2/2022 10:50:07 AM	67765
Surr: DNOP	107	51.1-141		%Rec	1	6/2/2022 10:50:07 AM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Surr: BFB	90.4	37.7-212		%Rec	1	5/27/2022 11:37:31 PM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Toluene	ND	0.049		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Ethylbenzene	ND	0.049		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Xylenes, Total	ND	0.098		mg/Kg	1	5/27/2022 11:37:31 PM	67730
Surr: 4-Bromofluorobenzene	96.9	70-130		%Rec	1	5/27/2022 11:37:31 PM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-42

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:15:00 AM

Lab ID: 2205B73-014

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	ND	60		mg/Kg	20	6/1/2022 8:30:38 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	110	8.7		mg/Kg	1	6/2/2022 11:37:32 AM	67765
Motor Oil Range Organics (MRO)	330	44		mg/Kg	1	6/2/2022 11:37:32 AM	67765
Surr: DNOP	97.1	51.1-141		%Rec	1	6/2/2022 11:37:32 AM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Surr: BFB	94.7	37.7-212		%Rec	1	5/28/2022 12:01:04 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Toluene	ND	0.049		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Xylenes, Total	ND	0.098		mg/Kg	1	5/28/2022 12:01:04 AM	67730
Surr: 4-Bromofluorobenzene	95.3	70-130		%Rec	1	5/28/2022 12:01:04 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-28A

Project: Gissler AV Battery

Collection Date: 5/24/2022 10:20:00 AM

Lab ID: 2205B73-015

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1900	60		mg/Kg	20	6/1/2022 8:43:02 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	200	9.6		mg/Kg	1	6/2/2022 12:44:48 PM	67765
Motor Oil Range Organics (MRO)	320	48		mg/Kg	1	6/2/2022 12:44:48 PM	67765
Surr: DNOP	99.2	51.1-141		%Rec	1	6/2/2022 12:44:48 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Surr: BFB	92.6	37.7-212		%Rec	1	5/28/2022 12:24:44 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Toluene	ND	0.050		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Ethylbenzene	ND	0.050		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Xylenes, Total	ND	0.10		mg/Kg	1	5/28/2022 12:24:44 AM	67730
Surr: 4-Bromofluorobenzene	96.4	70-130		%Rec	1	5/28/2022 12:24:44 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-79

Project: Gissler AV Battery

Collection Date: 5/24/2022 11:00:00 AM

Lab ID: 2205B73-016

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1500	60		mg/Kg	20	6/1/2022 9:20:17 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	120	9.1		mg/Kg	1	6/2/2022 1:32:21 PM	67765
Motor Oil Range Organics (MRO)	140	46		mg/Kg	1	6/2/2022 1:32:21 PM	67765
Surr: DNOP	106	51.1-141		%Rec	1	6/2/2022 1:32:21 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Surr: BFB	94.9	37.7-212		%Rec	1	5/28/2022 12:48:06 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.023		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Toluene	ND	0.047		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Ethylbenzene	ND	0.047		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Xylenes, Total	ND	0.093		mg/Kg	1	5/28/2022 12:48:06 AM	67730
Surr: 4-Bromofluorobenzene	95.9	70-130		%Rec	1	5/28/2022 12:48:06 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-80

Project: Gissler AV Battery

Collection Date: 5/24/2022 11:05:00 AM

Lab ID: 2205B73-017

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1200	60		mg/Kg	20	6/1/2022 9:32:41 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	47	9.6		mg/Kg	1	5/31/2022 2:36:45 PM	67765
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	5/31/2022 2:36:45 PM	67765
Surr: DNOP	82.6	51.1-141		%Rec	1	5/31/2022 2:36:45 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Surr: BFB	93.4	37.7-212		%Rec	1	5/28/2022 1:11:30 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.025		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Toluene	ND	0.049		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Ethylbenzene	ND	0.049		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Xylenes, Total	ND	0.098		mg/Kg	1	5/28/2022 1:11:30 AM	67730
Surr: 4-Bromofluorobenzene	98.1	70-130		%Rec	1	5/28/2022 1:11:30 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-19A

Project: Gissler AV Battery

Collection Date: 5/24/2022 11:10:00 AM

Lab ID: 2205B73-018

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1200	60		mg/Kg	20	6/1/2022 9:45:06 PM	67827
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	68	9.9		mg/Kg	1	5/31/2022 3:00:26 PM	67765
Motor Oil Range Organics (MRO)	75	49		mg/Kg	1	5/31/2022 3:00:26 PM	67765
Surr: DNOP	91.9	51.1-141		%Rec	1	5/31/2022 3:00:26 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Surr: BFB	94.3	37.7-212		%Rec	1	5/28/2022 1:34:56 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Toluene	ND	0.048		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Ethylbenzene	ND	0.048		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Xylenes, Total	ND	0.096		mg/Kg	1	5/28/2022 1:34:56 AM	67730
Surr: 4-Bromofluorobenzene	96.6	70-130		%Rec	1	5/28/2022 1:34:56 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2205B73

Date Reported: 6/7/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-42

Project: Gissler AV Battery

Collection Date: 5/24/2022 11:15:00 AM

Lab ID: 2205B73-019

Matrix: SOIL

Received Date: 5/26/2022 7:00:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	90	60		mg/Kg	20	6/1/2022 9:57:32 PM	67832
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	26	8.3		mg/Kg	1	5/31/2022 3:24:12 PM	67765
Motor Oil Range Organics (MRO)	ND	41		mg/Kg	1	5/31/2022 3:24:12 PM	67765
Surr: DNOP	95.3	51.1-141		%Rec	1	5/31/2022 3:24:12 PM	67765
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Surr: BFB	98.1	37.7-212		%Rec	1	5/28/2022 1:58:20 AM	67730
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.024		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Toluene	ND	0.047		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Ethylbenzene	ND	0.047		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Xylenes, Total	ND	0.094		mg/Kg	1	5/28/2022 1:58:20 AM	67730
Surr: 4-Bromofluorobenzene	98.3	70-130		%Rec	1	5/28/2022 1:58:20 AM	67730

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-67796</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67796</b>	RunNo: <b>88375</b>								
Prep Date: <b>5/31/2022</b>	Analysis Date: <b>5/31/2022</b>	SeqNo: <b>3135693</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67796</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67796</b>	RunNo: <b>88375</b>								
Prep Date: <b>5/31/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3135694</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	93.8	90	110			

Sample ID: <b>MB-67827</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67827</b>	RunNo: <b>88432</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137371</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67827</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67827</b>	RunNo: <b>88432</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137372</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Sample ID: <b>MB-67832</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67832</b>	RunNo: <b>88432</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137379</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67832</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67832</b>	RunNo: <b>88432</b>								
Prep Date: <b>6/1/2022</b>	Analysis Date: <b>6/1/2022</b>	SeqNo: <b>3137380</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	94.2	90	110			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-67678</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67678</b>		RunNo: <b>88246</b>							
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/25/2022</b>		SeqNo: <b>3130799</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	9.1		10.00		90.6	51.1	141			

Sample ID: <b>LCS-67678</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67678</b>		RunNo: <b>88246</b>							
Prep Date: <b>5/25/2022</b>	Analysis Date: <b>5/25/2022</b>		SeqNo: <b>3130800</b>		Units: <b>%Rec</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: DNOP	4.4		5.000		87.5	51.1	141			

Sample ID: <b>MB-67736</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67736</b>		RunNo: <b>88246</b>							
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>		SeqNo: <b>3133612</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		108	51.1	141			

Sample ID: <b>LCS-67736</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67736</b>		RunNo: <b>88246</b>							
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>		SeqNo: <b>3133613</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	10	50.00	0	102	64.4	127			
Surr: DNOP	4.7		5.000		93.7	51.1	141			

Sample ID: <b>MB-67765</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67765</b>		RunNo: <b>88381</b>							
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>		SeqNo: <b>3135345</b>		Units: <b>mg/Kg</b>					
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	6.8		10.00		68.2	51.1	141			

Sample ID: <b>2205B73-011AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>BH-77</b>	Batch ID: <b>67765</b>		RunNo: <b>88381</b>							
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>		SeqNo: <b>3135347</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>2205B73-011AMS</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>BH-77</b>	Batch ID: <b>67765</b>		RunNo: <b>88381</b>							
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>		SeqNo: <b>3135347</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	110	9.2	45.87	102.3	15.7	36.1	154			S
Surr: DNOP	3.9		4.587		85.4	51.1	141			

Sample ID: <b>2205B73-011AMSD</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>BH-77</b>	Batch ID: <b>67765</b>		RunNo: <b>88381</b>							
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>		SeqNo: <b>3135348</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	120	9.7	48.45	102.3	45.8	36.1	154	12.8	33.9	
Surr: DNOP	4.3		4.845		88.1	51.1	141	0	0	

Sample ID: <b>LCS-67765</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67765</b>		RunNo: <b>88381</b>							
Prep Date: <b>5/27/2022</b>	Analysis Date: <b>5/31/2022</b>		SeqNo: <b>3135454</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.9	64.4	127			
Surr: DNOP	2.7		5.000		53.2	51.1	141			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-67730</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133399</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		99.9	37.7	212			

Sample ID: <b>lcs-67730</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133400</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	5.0	25.00	0	116	72.3	137			
Surr: BFB	2200		1000		219	37.7	212			S

Sample ID: <b>2205b73-011ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BH-77</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133402</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	35	4.8	24.13	0	146	70	130			S
Surr: BFB	2300		965.3		243	37.7	212			S

Sample ID: <b>2205b73-011amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>BH-77</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133403</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	35	4.8	24.20	0	146	70	130	0.372	20	S
Surr: BFB	2300		968.1		241	37.7	212	0	0	S

Sample ID: <b>lcs-67728</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67728</b>	RunNo: <b>88349</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133510</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	5.0	25.00	0	96.0	72.3	137			
Surr: BFB	1800		1000		184	37.7	212			

Sample ID: <b>mb-67728</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015D: Gasoline Range</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67728</b>	RunNo: <b>88349</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133511</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2205B73

07-Jun-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: mb-67728	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67728	RunNo: 88349								
Prep Date: 5/26/2022	Analysis Date: 5/27/2022	SeqNo: 3133511		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	880		1000		87.5	37.7	212			

- Qualifiers:
- \* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>mb-67730</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133452</b> Units: <b>mg/Kg</b>								
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		103	70	130			

Sample ID: <b>LCS-67730</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133453</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.95	0.025	1.000	0	94.6	80	120			
Toluene	0.97	0.050	1.000	0	97.5	80	120			
Ethylbenzene	0.97	0.050	1.000	0	97.3	80	120			
Xylenes, Total	3.0	0.10	3.000	0	98.8	80	120			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	70	130			

Sample ID: <b>2205b73-012ams</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-78</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133456</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.024	0.9443	0	110	68.8	120			
Toluene	1.1	0.047	0.9443	0	116	73.6	124			
Ethylbenzene	1.1	0.047	0.9443	0	118	72.7	129			
Xylenes, Total	3.3	0.094	2.833	0.01722	117	75.7	126			
Surr: 4-Bromofluorobenzene	0.96		0.9443		102	70	130			

Sample ID: <b>2205b73-012amsd</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8021B: Volatiles</b>								
Client ID: <b>BH-78</b>	Batch ID: <b>67730</b>	RunNo: <b>88348</b>								
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>	SeqNo: <b>3133457</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.024	0.9425	0	112	68.8	120	1.81	20	
Toluene	1.1	0.047	0.9425	0	119	73.6	124	2.25	20	
Ethylbenzene	1.1	0.047	0.9425	0	120	72.7	129	1.68	20	
Xylenes, Total	3.4	0.094	2.828	0.01722	120	75.7	126	2.19	20	
Surr: 4-Bromofluorobenzene	0.93		0.9425		98.8	70	130	0	0	

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2205B73

07-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>ics-67728</b>	SampType: <b>LCS</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>LCSS</b>	Batch ID: <b>67728</b>			RunNo: <b>88349</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133559</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.2	80	120			
Toluene	0.94	0.050	1.000	0	94.5	80	120			
Ethylbenzene	0.92	0.050	1.000	0	91.9	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.2	80	120			
Surr: 4-Bromofluorobenzene	0.87		1.000		87.2	70	130			

Sample ID: <b>mb-67728</b>	SampType: <b>MBLK</b>			TestCode: <b>EPA Method 8021B: Volatiles</b>						
Client ID: <b>PBS</b>	Batch ID: <b>67728</b>			RunNo: <b>88349</b>						
Prep Date: <b>5/26/2022</b>	Analysis Date: <b>5/27/2022</b>			SeqNo: <b>3133560</b>		Units: <b>mg/Kg</b>				
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.89		1.000		88.7	70	130			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2205B73

RcptNo: 1

Received By: Tracy Casarrubias 5/26/2022 7:00:00 AM

Completed By: Tracy Casarrubias 5/26/2022 8:31:34 AM

Reviewed By: *[Signature]* 5-26-22Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

( $<2$  or  $>12$  unless noted)

Adjusted?

Checked by: *SG 5/26/22*

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.5	Good	Yes			
2	3.7	Good	Yes			
3	1.6	Good	Yes			
4	2.4	Good	Yes			

## Chain-of-Custody Record

Client: GHD		Turn-Around Time:	
<input checked="" type="checkbox"/> Standard <input checked="" type="checkbox"/> Rush <u>5-8g</u>			
Project Name:		Project #:	
<u>Gissler AU B. Hg</u>		<u>12567391</u>	
Mailing Address:		Project Manager:	
324 W. Main St. Suite 108, Artesia NM 88210		Becky Haskell	
Phone #: (505)377-4218		Tom Larson	
email or Fax#: <u>Becky.Haskell@ghd.com</u>		Sampler: Zach Comino	
QA/QC Package:		On Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<input type="checkbox"/> Standard <input type="checkbox"/> Level 4 (Full Validation)		# of Coolers: <u>3</u>	
Accreditation: <input type="checkbox"/> Az Compliance <input type="checkbox"/> Other		Cooler Temp (including CP): <u>See Checklist</u>	
<input type="checkbox"/> NELAC <input type="checkbox"/> EDD (Type)			
Date	Time	Matrix	Sample Name
05/20/2022	0800	S	SLJ-38
0805			SLJ-39
0810			BH-70
0815			BH-71
0820			SLJ-40
0900			BH-72
0905			BH-73
0910			BH-74
0915			BH-75
0920			BH-76
1000			BH-77
1005			<del>BH-78</del>
Date:	Time:	Relinquished by:	Received by: Via: Date Time
05/20/2022	0800	<u>Zach Comino</u>	<u>Becky Haskell</u> 5/23/22 800
Date:	Time:	Relinquished by:	Received by: Via: Date Time
5/20/22	1900	<u>Becky Haskell</u>	<u>Becky Haskell</u> 5/26/22 7:00



# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

BTEX / MTBE / TMBs (8021) ☒  
 TPH:8015D(GRO / DRO / MRO) ☒  
 8081 Pesticides/8082 PCBs ☒  
 EDB (Method 504.1) ☒  
 PAHs by 8310 or 8270SIMS ☒  
 RCRA 8 Metals ☒  
 Cl, F, Br, NO<sub>3</sub>, NO<sub>2</sub>, PO<sub>4</sub>, SO<sub>4</sub> ☒  
 8260 (VOA) ☒  
 8270 (Semi-VOA) ☒  
 Total Coliform (Present/Absent) ☒  
 Chloride Method 300 ☒

Remarks: Please email: Chase\_Settle@eogresources.com;  
 Tom.Larson@ghd.com; Zach.Comino@ghd.com  
 Matthew.Laughlin@ghd.com;  
 Amber\_Griffin@eogresources.com; Along with Becky  
 Haskell listed above.

Direct Bill to EOG Chase Settle

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.

# HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

## Analysis Request

[illegible]

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.

Haskell listed above.

## Direct Bill to EOC Chase Settle

Any sub-contracted data will be clearly notated on the analytical report.



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 15, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Gissler AV Battery

OrderNo.: 2206384

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 27 sample(s) on 6/8/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-89

Project: Gissler AV Battery

Collection Date: 6/6/2022 10:45:00 AM

Lab ID: 2206384-001

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	980	60		mg/Kg	20	6/10/2022 2:25:17 AM	68005
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	56	15		mg/Kg	1	6/9/2022 3:35:49 PM	68002
Motor Oil Range Organics (MRO)	80	48		mg/Kg	1	6/9/2022 3:35:49 PM	68002
Surr: DNOP	70.7	51.1-141		%Rec	1	6/9/2022 3:35:49 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 9:53:00 AM	67986
Surr: BFB	81.5	37.7-212		%Rec	1	6/9/2022 9:53:00 AM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	6/9/2022 9:53:00 AM	67986
Toluene	ND	0.049		mg/Kg	1	6/9/2022 9:53:00 AM	67986
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 9:53:00 AM	67986
Xylenes, Total	ND	0.099		mg/Kg	1	6/9/2022 9:53:00 AM	67986
Surr: 4-Bromofluorobenzene	83.3	70-130		%Rec	1	6/9/2022 9:53:00 AM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

Page 1 of 35

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-90

Project: Gissler AV Battery

Collection Date: 6/6/2022 10:50:00 AM

Lab ID: 2206384-002

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	970	60		mg/Kg	20	6/10/2022 2:37:37 AM	68005
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	32	14		mg/Kg	1	6/9/2022 4:38:13 PM	68002
Motor Oil Range Organics (MRO)	56	47		mg/Kg	1	6/9/2022 4:38:13 PM	68002
Surr: DNOP	76.7	51.1-141		%Rec	1	6/9/2022 4:38:13 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/9/2022 10:52:00 AM	67986
Surr: BFB	79.7	37.7-212		%Rec	1	6/9/2022 10:52:00 AM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.023		mg/Kg	1	6/9/2022 10:52:00 AM	67986
Toluene	ND	0.047		mg/Kg	1	6/9/2022 10:52:00 AM	67986
Ethylbenzene	ND	0.047		mg/Kg	1	6/9/2022 10:52:00 AM	67986
Xylenes, Total	ND	0.094		mg/Kg	1	6/9/2022 10:52:00 AM	67986
Surr: 4-Bromofluorobenzene	80.2	70-130		%Rec	1	6/9/2022 10:52:00 AM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-91

Project: Gissler AV Battery

Collection Date: 6/6/2022 10:55:00 AM

Lab ID: 2206384-003

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	1100	60		mg/Kg	20	6/10/2022 3:14:40 AM	68005
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	36	14		mg/Kg	1	6/9/2022 4:49:07 PM	68002
Motor Oil Range Organics (MRO)	65	47		mg/Kg	1	6/9/2022 4:49:07 PM	68002
Surr: DNOP	90.4	51.1-141		%Rec	1	6/9/2022 4:49:07 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/9/2022 11:51:00 AM	67986
Surr: BFB	78.3	37.7-212		%Rec	1	6/9/2022 11:51:00 AM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	6/9/2022 11:51:00 AM	67986
Toluene	ND	0.050		mg/Kg	1	6/9/2022 11:51:00 AM	67986
Ethylbenzene	ND	0.050		mg/Kg	1	6/9/2022 11:51:00 AM	67986
Xylenes, Total	ND	0.099		mg/Kg	1	6/9/2022 11:51:00 AM	67986
Surr: 4-Bromofluorobenzene	81.8	70-130		%Rec	1	6/9/2022 11:51:00 AM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-92

Project: Gissler AV Battery

Collection Date: 6/6/2022 11:00:00 AM

Lab ID: 2206384-004

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	1100	60		mg/Kg	20	6/10/2022 3:27:02 AM	68005
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	35	15		mg/Kg	1	6/9/2022 5:00:02 PM	68002
Motor Oil Range Organics (MRO)	72	49		mg/Kg	1	6/9/2022 5:00:02 PM	68002
Surr: DNOP	92.9	51.1-141		%Rec	1	6/9/2022 5:00:02 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 12:11:00 PM	67986
Surr: BFB	85.1	37.7-212		%Rec	1	6/9/2022 12:11:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	6/9/2022 12:11:00 PM	67986
Toluene	ND	0.049		mg/Kg	1	6/9/2022 12:11:00 PM	67986
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 12:11:00 PM	67986
Xylenes, Total	ND	0.098		mg/Kg	1	6/9/2022 12:11:00 PM	67986
Surr: 4-Bromofluorobenzene	83.6	70-130		%Rec	1	6/9/2022 12:11:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-93

Project: Gissler AV Battery

Collection Date: 6/6/2022 11:05:00 AM

Lab ID: 2206384-005

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	590	60		mg/Kg	20	6/10/2022 3:39:23 AM	68005
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/9/2022 5:10:58 PM	68002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/9/2022 5:10:58 PM	68002
Surr: DNOP	104	51.1-141		%Rec	1	6/9/2022 5:10:58 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 12:30:00 PM	67986
Surr: BFB	86.4	37.7-212		%Rec	1	6/9/2022 12:30:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	6/9/2022 12:30:00 PM	67986
Toluene	ND	0.048		mg/Kg	1	6/9/2022 12:30:00 PM	67986
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 12:30:00 PM	67986
Xylenes, Total	ND	0.096		mg/Kg	1	6/9/2022 12:30:00 PM	67986
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	6/9/2022 12:30:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-94

Project: Gissler AV Battery

Collection Date: 6/6/2022 12:00:00 PM

Lab ID: 2206384-006

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	1700	60		mg/Kg	20	6/10/2022 3:51:43 AM	68005
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/9/2022 5:32:40 PM	68002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/9/2022 5:32:40 PM	68002
Surr: DNOP	82.1	51.1-141		%Rec	1	6/9/2022 5:32:40 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/9/2022 12:50:00 PM	67986
Surr: BFB	86.3	37.7-212		%Rec	1	6/9/2022 12:50:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	6/9/2022 12:50:00 PM	67986
Toluene	ND	0.050		mg/Kg	1	6/9/2022 12:50:00 PM	67986
Ethylbenzene	ND	0.050		mg/Kg	1	6/9/2022 12:50:00 PM	67986
Xylenes, Total	ND	0.10		mg/Kg	1	6/9/2022 12:50:00 PM	67986
Surr: 4-Bromofluorobenzene	86.4	70-130		%Rec	1	6/9/2022 12:50:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-95

Project: Gissler AV Battery

Collection Date: 6/6/2022 12:05:00 PM

Lab ID: 2206384-007

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	680	60		mg/Kg	20	6/10/2022 4:28:46 AM	68005
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	33	15		mg/Kg	1	6/9/2022 5:43:35 PM	68002
Motor Oil Range Organics (MRO)	51	50		mg/Kg	1	6/9/2022 5:43:35 PM	68002
Surr: DNOP	88.2	51.1-141		%Rec	1	6/9/2022 5:43:35 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 1:10:00 PM	67986
Surr: BFB	85.6	37.7-212		%Rec	1	6/9/2022 1:10:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	6/9/2022 1:10:00 PM	67986
Toluene	ND	0.049		mg/Kg	1	6/9/2022 1:10:00 PM	67986
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 1:10:00 PM	67986
Xylenes, Total	ND	0.099		mg/Kg	1	6/9/2022 1:10:00 PM	67986
Surr: 4-Bromofluorobenzene	85.3	70-130		%Rec	1	6/9/2022 1:10:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-96

Project: Gissler AV Battery

Collection Date: 6/6/2022 12:10:00 PM

Lab ID: 2206384-008

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	810	60		mg/Kg	20	6/10/2022 4:41:06 AM	68005
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	17	14		mg/Kg	1	6/9/2022 5:54:32 PM	68002
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/9/2022 5:54:32 PM	68002
Surr: DNOP	77.1	51.1-141		%Rec	1	6/9/2022 5:54:32 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 1:30:00 PM	67986
Surr: BFB	87.8	37.7-212		%Rec	1	6/9/2022 1:30:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	6/9/2022 1:30:00 PM	67986
Toluene	ND	0.049		mg/Kg	1	6/9/2022 1:30:00 PM	67986
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 1:30:00 PM	67986
Xylenes, Total	ND	0.098		mg/Kg	1	6/9/2022 1:30:00 PM	67986
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	6/9/2022 1:30:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-97

Project: Gissler AV Battery

Collection Date: 6/6/2022 12:15:00 PM

Lab ID: 2206384-009

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1400	60		mg/Kg	20	6/10/2022 11:13:50 AM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	92	14		mg/Kg	1	6/9/2022 6:05:27 PM	68002
Motor Oil Range Organics (MRO)	130	47		mg/Kg	1	6/9/2022 6:05:27 PM	68002
Surr: DNOP	58.6	51.1-141		%Rec	1	6/9/2022 6:05:27 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/9/2022 1:50:00 PM	67986
Surr: BFB	88.4	37.7-212		%Rec	1	6/9/2022 1:50:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/9/2022 1:50:00 PM	67986
Toluene	ND	0.050		mg/Kg	1	6/9/2022 1:50:00 PM	67986
Ethylbenzene	ND	0.050		mg/Kg	1	6/9/2022 1:50:00 PM	67986
Xylenes, Total	ND	0.10		mg/Kg	1	6/9/2022 1:50:00 PM	67986
Surr: 4-Bromofluorobenzene	87.0	70-130		%Rec	1	6/9/2022 1:50:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-98

Project: Gissler AV Battery

Collection Date: 6/6/2022 12:20:00 PM

Lab ID: 2206384-010

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	970	60		mg/Kg	20	6/10/2022 11:26:14 AM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	37	14		mg/Kg	1	6/9/2022 6:16:22 PM	68002
Motor Oil Range Organics (MRO)	72	46		mg/Kg	1	6/9/2022 6:16:22 PM	68002
Surr: DNOP	72.7	51.1-141		%Rec	1	6/9/2022 6:16:22 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/9/2022 2:10:00 PM	67986
Surr: BFB	80.1	37.7-212		%Rec	1	6/9/2022 2:10:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/9/2022 2:10:00 PM	67986
Toluene	ND	0.047		mg/Kg	1	6/9/2022 2:10:00 PM	67986
Ethylbenzene	ND	0.047		mg/Kg	1	6/9/2022 2:10:00 PM	67986
Xylenes, Total	ND	0.094		mg/Kg	1	6/9/2022 2:10:00 PM	67986
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	6/9/2022 2:10:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-19B

Project: Gissler AV Battery

Collection Date: 6/6/2022 12:25:00 PM

Lab ID: 2206384-011

Matrix: MEOH (SOIL)

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1700	60		mg/Kg	20	6/8/2022 11:33:09 AM	67982
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/8/2022 11:20:55 AM	67980
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/8/2022 11:20:55 AM	67980
Surr: DNOP	75.4	51.1-141		%Rec	1	6/8/2022 11:20:55 AM	67980
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: NSB
Gasoline Range Organics (GRO)	ND	3.1		mg/Kg	1	6/8/2022 10:53:00 AM	A88560
Surr: BFB	88.2	37.7-212		%Rec	1	6/8/2022 10:53:00 AM	A88560
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: NSB
Benzene	ND	0.016		mg/Kg	1	6/8/2022 10:53:00 AM	C88560
Toluene	ND	0.031		mg/Kg	1	6/8/2022 10:53:00 AM	C88560
Ethylbenzene	ND	0.031		mg/Kg	1	6/8/2022 10:53:00 AM	C88560
Xylenes, Total	ND	0.062		mg/Kg	1	6/8/2022 10:53:00 AM	C88560
Surr: 4-Bromofluorobenzene	90.9	70-130		%Rec	1	6/8/2022 10:53:00 AM	C88560

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-99

Project: Gissler AV Battery

Collection Date: 6/6/2022 1:00:00 PM

Lab ID: 2206384-012

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	240	60		mg/Kg	20	6/10/2022 11:38:38 AM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/9/2022 6:27:17 PM	68002
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/9/2022 6:27:17 PM	68002
Surr: DNOP	60.0	51.1-141		%Rec	1	6/9/2022 6:27:17 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 2:49:00 PM	67986
Surr: BFB	84.4	37.7-212		%Rec	1	6/9/2022 2:49:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/9/2022 2:49:00 PM	67986
Toluene	ND	0.049		mg/Kg	1	6/9/2022 2:49:00 PM	67986
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 2:49:00 PM	67986
Xylenes, Total	ND	0.098		mg/Kg	1	6/9/2022 2:49:00 PM	67986
Surr: 4-Bromofluorobenzene	84.2	70-130		%Rec	1	6/9/2022 2:49:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-100

Project: Gissler AV Battery

Collection Date: 6/6/2022 1:05:00 PM

Lab ID: 2206384-013

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	150	60		mg/Kg	20	6/10/2022 11:51:03 AM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/9/2022 6:38:11 PM	68002
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/9/2022 6:38:11 PM	68002
Surr: DNOP	60.1	51.1-141		%Rec	1	6/9/2022 6:38:11 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/9/2022 3:09:00 PM	67986
Surr: BFB	86.0	37.7-212		%Rec	1	6/9/2022 3:09:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/9/2022 3:09:00 PM	67986
Toluene	ND	0.047		mg/Kg	1	6/9/2022 3:09:00 PM	67986
Ethylbenzene	ND	0.047		mg/Kg	1	6/9/2022 3:09:00 PM	67986
Xylenes, Total	ND	0.095		mg/Kg	1	6/9/2022 3:09:00 PM	67986
Surr: 4-Bromofluorobenzene	86.6	70-130		%Rec	1	6/9/2022 3:09:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-101

Project: Gissler AV Battery

Collection Date: 6/6/2022 1:10:00 PM

Lab ID: 2206384-014

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	550	60		mg/Kg	20	6/10/2022 12:03:27 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/10/2022 3:46:22 PM	68002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/10/2022 3:46:22 PM	68002
Surr: DNOP	56.2	51.1-141		%Rec	1	6/10/2022 3:46:22 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	5.0		mg/Kg	1	6/9/2022 3:29:00 PM	67986
Surr: BFB	83.2	37.7-212		%Rec	1	6/9/2022 3:29:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/9/2022 3:29:00 PM	67986
Toluene	ND	0.050		mg/Kg	1	6/9/2022 3:29:00 PM	67986
Ethylbenzene	ND	0.050		mg/Kg	1	6/9/2022 3:29:00 PM	67986
Xylenes, Total	ND	0.10		mg/Kg	1	6/9/2022 3:29:00 PM	67986
Surr: 4-Bromofluorobenzene	86.1	70-130		%Rec	1	6/9/2022 3:29:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-102

Project: Gissler AV Battery

Collection Date: 6/6/2022 1:15:00 PM

Lab ID: 2206384-015

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	250	60		mg/Kg	20	6/10/2022 12:15:51 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/9/2022 6:59:54 PM	68002
Motor Oil Range Organics (MRO)	ND	47		mg/Kg	1	6/9/2022 6:59:54 PM	68002
Surr: DNOP	58.7	51.1-141		%Rec	1	6/9/2022 6:59:54 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 3:49:00 PM	67986
Surr: BFB	83.7	37.7-212		%Rec	1	6/9/2022 3:49:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/9/2022 3:49:00 PM	67986
Toluene	ND	0.048		mg/Kg	1	6/9/2022 3:49:00 PM	67986
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 3:49:00 PM	67986
Xylenes, Total	ND	0.097		mg/Kg	1	6/9/2022 3:49:00 PM	67986
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	6/9/2022 3:49:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-103

Project: Gissler AV Battery

Collection Date: 6/6/2022 1:20:00 PM

Lab ID: 2206384-016

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	360	61		mg/Kg	20	6/10/2022 12:28:15 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/9/2022 7:10:44 PM	68002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/9/2022 7:10:44 PM	68002
Surr: DNOP	59.3	51.1-141		%Rec	1	6/9/2022 7:10:44 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 4:09:00 PM	67986
Surr: BFB	83.3	37.7-212		%Rec	1	6/9/2022 4:09:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/9/2022 4:09:00 PM	67986
Toluene	ND	0.049		mg/Kg	1	6/9/2022 4:09:00 PM	67986
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 4:09:00 PM	67986
Xylenes, Total	ND	0.098		mg/Kg	1	6/9/2022 4:09:00 PM	67986
Surr: 4-Bromofluorobenzene	85.9	70-130		%Rec	1	6/9/2022 4:09:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-104

Project: Gissler AV Battery

Collection Date: 6/6/2022 2:00:00 PM

Lab ID: 2206384-017

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	770	60		mg/Kg	20	6/10/2022 12:40:39 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/9/2022 7:21:33 PM	68002
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/9/2022 7:21:33 PM	68002
Surr: DNOP	56.4	51.1-141		%Rec	1	6/9/2022 7:21:33 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/9/2022 4:29:00 PM	67986
Surr: BFB	84.8	37.7-212		%Rec	1	6/9/2022 4:29:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/9/2022 4:29:00 PM	67986
Toluene	ND	0.047		mg/Kg	1	6/9/2022 4:29:00 PM	67986
Ethylbenzene	ND	0.047		mg/Kg	1	6/9/2022 4:29:00 PM	67986
Xylenes, Total	ND	0.094		mg/Kg	1	6/9/2022 4:29:00 PM	67986
Surr: 4-Bromofluorobenzene	85.8	70-130		%Rec	1	6/9/2022 4:29:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-105

Project: Gissler AV Battery

Collection Date: 6/6/2022 2:05:00 PM

Lab ID: 2206384-018

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1600	60		mg/Kg	20	6/10/2022 1:17:52 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: SB
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/10/2022 4:10:11 PM	68002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/10/2022 4:10:11 PM	68002
Surr: DNOP	66.9	51.1-141		%Rec	1	6/10/2022 4:10:11 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.7		mg/Kg	1	6/9/2022 4:48:00 PM	67986
Surr: BFB	86.8	37.7-212		%Rec	1	6/9/2022 4:48:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.023		mg/Kg	1	6/9/2022 4:48:00 PM	67986
Toluene	ND	0.047		mg/Kg	1	6/9/2022 4:48:00 PM	67986
Ethylbenzene	ND	0.047		mg/Kg	1	6/9/2022 4:48:00 PM	67986
Xylenes, Total	ND	0.094		mg/Kg	1	6/9/2022 4:48:00 PM	67986
Surr: 4-Bromofluorobenzene	87.3	70-130		%Rec	1	6/9/2022 4:48:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-106

Project: Gissler AV Battery

Collection Date: 6/6/2022 2:10:00 PM

Lab ID: 2206384-019

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	1100	59		mg/Kg	20	6/10/2022 1:30:16 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/10/2022 4:34:02 PM	68002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/10/2022 4:34:02 PM	68002
Surr: DNOP	80.4	51.1-141		%Rec	1	6/10/2022 4:34:02 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 5:08:00 PM	67986
Surr: BFB	86.1	37.7-212		%Rec	1	6/9/2022 5:08:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	6/9/2022 5:08:00 PM	67986
Toluene	ND	0.048		mg/Kg	1	6/9/2022 5:08:00 PM	67986
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 5:08:00 PM	67986
Xylenes, Total	ND	0.096		mg/Kg	1	6/9/2022 5:08:00 PM	67986
Surr: 4-Bromofluorobenzene	86.7	70-130		%Rec	1	6/9/2022 5:08:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-107

Project: Gissler AV Battery

Collection Date: 6/6/2022 2:15:00 PM

Lab ID: 2206384-020

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	1200	60		mg/Kg	20	6/10/2022 1:42:40 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/9/2022 7:54:01 PM	68002
Motor Oil Range Organics (MRO)	ND	50		mg/Kg	1	6/9/2022 7:54:01 PM	68002
Surr: DNOP	60.3	51.1-141		%Rec	1	6/9/2022 7:54:01 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 5:28:00 PM	67986
Surr: BFB	84.9	37.7-212		%Rec	1	6/9/2022 5:28:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/9/2022 5:28:00 PM	67986
Toluene	ND	0.048		mg/Kg	1	6/9/2022 5:28:00 PM	67986
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 5:28:00 PM	67986
Xylenes, Total	ND	0.097		mg/Kg	1	6/9/2022 5:28:00 PM	67986
Surr: 4-Bromofluorobenzene	82.8	70-130		%Rec	1	6/9/2022 5:28:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: BH-108

Project: Gissler AV Battery

Collection Date: 6/6/2022 2:20:00 PM

Lab ID: 2206384-021

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	630	60		mg/Kg	20	6/10/2022 1:55:05 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	33	15		mg/Kg	1	6/10/2022 4:57:49 PM	68002
Motor Oil Range Organics (MRO)	76	49		mg/Kg	1	6/10/2022 4:57:49 PM	68002
Surr: DNOP	79.4	51.1-141		%Rec	1	6/10/2022 4:57:49 PM	68002
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 5:48:00 PM	67986
Surr: BFB	80.9	37.7-212		%Rec	1	6/9/2022 5:48:00 PM	67986
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	6/9/2022 5:48:00 PM	67986
Toluene	ND	0.049		mg/Kg	1	6/9/2022 5:48:00 PM	67986
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 5:48:00 PM	67986
Xylenes, Total	ND	0.098		mg/Kg	1	6/9/2022 5:48:00 PM	67986
Surr: 4-Bromofluorobenzene	83.1	70-130		%Rec	1	6/9/2022 5:48:00 PM	67986

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-26A

Project: Gissler AV Battery

Collection Date: 6/6/2022 3:00:00 PM

Lab ID: 2206384-022

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	170	61		mg/Kg	20	6/10/2022 2:07:29 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/9/2022 11:37:28 AM	68001
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/9/2022 11:37:28 AM	68001
Surr: DNOP	85.2	51.1-141		%Rec	1	6/9/2022 11:37:28 AM	68001
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 7:47:00 PM	67989
Surr: BFB	84.1	37.7-212		%Rec	1	6/9/2022 7:47:00 PM	67989
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/9/2022 7:47:00 PM	67989
Toluene	ND	0.048		mg/Kg	1	6/9/2022 7:47:00 PM	67989
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 7:47:00 PM	67989
Xylenes, Total	ND	0.097		mg/Kg	1	6/9/2022 7:47:00 PM	67989
Surr: 4-Bromofluorobenzene	86.2	70-130		%Rec	1	6/9/2022 7:47:00 PM	67989

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-41A

Project: Gissler AV Battery

Collection Date: 6/6/2022 3:05:00 PM

Lab ID: 2206384-023

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	68	61		mg/Kg	20	6/10/2022 2:19:53 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>JME</b>
Diesel Range Organics (DRO)	110	14		mg/Kg	1	6/10/2022 2:42:15 PM	68001
Motor Oil Range Organics (MRO)	310	48		mg/Kg	1	6/10/2022 2:42:15 PM	68001
Surr: DNOP	60.5	51.1-141		%Rec	1	6/10/2022 2:42:15 PM	68001
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 8:47:00 PM	67989
Surr: BFB	82.2	37.7-212		%Rec	1	6/9/2022 8:47:00 PM	67989
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.025		mg/Kg	1	6/9/2022 8:47:00 PM	67989
Toluene	ND	0.049		mg/Kg	1	6/9/2022 8:47:00 PM	67989
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 8:47:00 PM	67989
Xylenes, Total	ND	0.098		mg/Kg	1	6/9/2022 8:47:00 PM	67989
Surr: 4-Bromofluorobenzene	84.1	70-130		%Rec	1	6/9/2022 8:47:00 PM	67989

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-42A

Project: Gissler AV Battery

Collection Date: 6/6/2022 3:10:00 PM

Lab ID: 2206384-024

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	88	60		mg/Kg	20	6/10/2022 2:32:17 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/9/2022 11:58:50 AM	68001
Motor Oil Range Organics (MRO)	ND	46		mg/Kg	1	6/9/2022 11:58:50 AM	68001
Surr: DNOP	74.1	51.1-141		%Rec	1	6/9/2022 11:58:50 AM	68001
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 9:46:00 PM	67989
Surr: BFB	85.3	37.7-212		%Rec	1	6/9/2022 9:46:00 PM	67989
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.024		mg/Kg	1	6/9/2022 9:46:00 PM	67989
Toluene	ND	0.049		mg/Kg	1	6/9/2022 9:46:00 PM	67989
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 9:46:00 PM	67989
Xylenes, Total	ND	0.097		mg/Kg	1	6/9/2022 9:46:00 PM	67989
Surr: 4-Bromofluorobenzene	82.8	70-130		%Rec	1	6/9/2022 9:46:00 PM	67989

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-43

Project: Gissler AV Battery

Collection Date: 6/6/2022 3:15:00 PM

Lab ID: 2206384-025

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: JMT
Chloride	160	60		mg/Kg	20	6/10/2022 2:44:42 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: ED
Diesel Range Organics (DRO)	ND	15		mg/Kg	1	6/9/2022 12:09:31 PM	68001
Motor Oil Range Organics (MRO)	ND	49		mg/Kg	1	6/9/2022 12:09:31 PM	68001
Surr: DNOP	68.3	51.1-141		%Rec	1	6/9/2022 12:09:31 PM	68001
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: BRM
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 10:05:00 PM	67989
Surr: BFB	84.5	37.7-212		%Rec	1	6/9/2022 10:05:00 PM	67989
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: BRM
Benzene	ND	0.025		mg/Kg	1	6/9/2022 10:05:00 PM	67989
Toluene	ND	0.049		mg/Kg	1	6/9/2022 10:05:00 PM	67989
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 10:05:00 PM	67989
Xylenes, Total	ND	0.098		mg/Kg	1	6/9/2022 10:05:00 PM	67989
Surr: 4-Bromofluorobenzene	82.4	70-130		%Rec	1	6/9/2022 10:05:00 PM	67989

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-44

Project: Gissler AV Battery

Collection Date: 6/6/2022 3:20:00 PM

Lab ID: 2206384-026

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	110	60		mg/Kg	20	6/10/2022 2:57:06 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	16	15		mg/Kg	1	6/9/2022 12:20:13 PM	68001
Motor Oil Range Organics (MRO)	52	49		mg/Kg	1	6/9/2022 12:20:13 PM	68001
Surr: DNOP	66.6	51.1-141		%Rec	1	6/9/2022 12:20:13 PM	68001
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.8		mg/Kg	1	6/9/2022 10:25:00 PM	67989
Surr: BFB	82.0	37.7-212		%Rec	1	6/9/2022 10:25:00 PM	67989
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	6/9/2022 10:25:00 PM	67989
Toluene	ND	0.048		mg/Kg	1	6/9/2022 10:25:00 PM	67989
Ethylbenzene	ND	0.048		mg/Kg	1	6/9/2022 10:25:00 PM	67989
Xylenes, Total	ND	0.095		mg/Kg	1	6/9/2022 10:25:00 PM	67989
Surr: 4-Bromofluorobenzene	83.5	70-130		%Rec	1	6/9/2022 10:25:00 PM	67989

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

## Analytical Report

Lab Order 2206384

Date Reported: 6/15/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-45

Project: Gissler AV Battery

Collection Date: 6/6/2022 3:25:00 PM

Lab ID: 2206384-027

Matrix: SOIL

Received Date: 6/8/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>JMT</b>
Chloride	120	60		mg/Kg	20	6/10/2022 3:09:31 PM	68040
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>SB</b>
Diesel Range Organics (DRO)	ND	14		mg/Kg	1	6/10/2022 10:13:06 AM	68001
Motor Oil Range Organics (MRO)	ND	48		mg/Kg	1	6/10/2022 10:13:06 AM	68001
Surr: DNOP	63.2	51.1-141		%Rec	1	6/10/2022 10:13:06 AM	68001
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>BRM</b>
Gasoline Range Organics (GRO)	ND	4.9		mg/Kg	1	6/9/2022 10:45:00 PM	67989
Surr: BFB	81.9	37.7-212		%Rec	1	6/9/2022 10:45:00 PM	67989
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>BRM</b>
Benzene	ND	0.024		mg/Kg	1	6/9/2022 10:45:00 PM	67989
Toluene	ND	0.049		mg/Kg	1	6/9/2022 10:45:00 PM	67989
Ethylbenzene	ND	0.049		mg/Kg	1	6/9/2022 10:45:00 PM	67989
Xylenes, Total	ND	0.097		mg/Kg	1	6/9/2022 10:45:00 PM	67989
Surr: 4-Bromofluorobenzene	84.4	70-130		%Rec	1	6/9/2022 10:45:00 PM	67989

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

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**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206384

15-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-67982</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67982</b>	RunNo: <b>88574</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/8/2022</b>	SeqNo: <b>3144131</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-67982</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67982</b>	RunNo: <b>88574</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/8/2022</b>	SeqNo: <b>3144132</b> Units: <b>mg/Kg</b>								
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: <b>MB-68005</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68005</b>	RunNo: <b>88636</b>								
Prep Date: <b>6/9/2022</b>	Analysis Date: <b>6/9/2022</b>	SeqNo: <b>3146143</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68005</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68005</b>	RunNo: <b>88636</b>								
Prep Date: <b>6/9/2022</b>	Analysis Date: <b>6/9/2022</b>	SeqNo: <b>3146144</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.4	90	110			

Sample ID: <b>MB-68040</b>	SampType: <b>mblk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68040</b>	RunNo: <b>88665</b>								
Prep Date: <b>6/10/2022</b>	Analysis Date: <b>6/10/2022</b>	SeqNo: <b>3147199</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68040</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68040</b>	RunNo: <b>88665</b>								
Prep Date: <b>6/10/2022</b>	Analysis Date: <b>6/10/2022</b>	SeqNo: <b>3147200</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	96.9	90	110			

**Qualifiers:**

* Value exceeds Maximum Contaminant Level.	B Analyte detected in the associated Method Blank
D Sample Diluted Due to Matrix	E Estimated value
H Holding times for preparation or analysis exceeded	J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit	P Sample pH Not In Range
PQL Practical Quantitative Limit	RL Reporting Limit
S % Recovery outside of range due to dilution or matrix interference	

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206384

15-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-67980</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>67980</b>	RunNo: <b>88561</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/8/2022</b>	SeqNo: <b>3143066</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.8	51.1	141			

Sample ID: <b>LCS-67980</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>67980</b>	RunNo: <b>88561</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/8/2022</b>	SeqNo: <b>3143067</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	95.8	64.4	127			
Surr: DNOP	3.5		5.000		70.8	51.1	141			

Sample ID: <b>2206384-011AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-19B</b>	Batch ID: <b>67980</b>	RunNo: <b>88561</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/8/2022</b>	SeqNo: <b>3143089</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	14	48.03	0	95.3	36.1	154			
Surr: DNOP	3.0		4.803		62.8	51.1	141			

Sample ID: <b>2206384-011AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-19B</b>	Batch ID: <b>67980</b>	RunNo: <b>88561</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/8/2022</b>	SeqNo: <b>3144707</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	47	15	48.45	0	96.2	36.1	154	1.84	33.9	
Surr: DNOP	3.2		4.845		66.1	51.1	141	0	0	

Sample ID: <b>LCS-68001</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68001</b>	RunNo: <b>88603</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>	SeqNo: <b>3144812</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	55	15	50.00	0	110	64.4	127			
Surr: DNOP	5.1		5.000		103	51.1	141			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206384

15-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>MB-68001</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68001</b>	RunNo: <b>88603</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>	SeqNo: <b>3144813</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		103	51.1	141			

Sample ID: <b>2206384-001AMS</b>	SampType: <b>MS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-89</b>	Batch ID: <b>68002</b>	RunNo: <b>88603</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>	SeqNo: <b>3145023</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	89	14	47.85	55.97	68.0	36.1	154			
Surr: DNOP	3.5		4.785		74.0	51.1	141			

Sample ID: <b>2206384-001AMSD</b>	SampType: <b>MSD</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>BH-89</b>	Batch ID: <b>68002</b>	RunNo: <b>88603</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>	SeqNo: <b>3145024</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	120	14	47.30	55.97	127	36.1	154	28.6	33.9	
Surr: DNOP	3.4		4.730		72.4	51.1	141	0	0	

Sample ID: <b>LCS-68002</b>	SampType: <b>LCS</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68002</b>	RunNo: <b>88603</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>	SeqNo: <b>3145029</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	51	15	50.00	0	102	64.4	127			
Surr: DNOP	4.3		5.000		86.5	51.1	141			

Sample ID: <b>MB-68002</b>	SampType: <b>MBLK</b>	TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68002</b>	RunNo: <b>88603</b>								
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>	SeqNo: <b>3145030</b> Units: <b>mg/Kg</b>								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		100	51.1	141			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206384

15-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>2.5ug gro lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>A88560</b>		RunNo: <b>88560</b>							
Prep Date:	Analysis Date: <b>6/8/2022</b>		SeqNo: <b>3143766</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	105	72.3	137			
Surr: BFB	2100		1000		212	37.7	212			S

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>A88560</b>		RunNo: <b>88560</b>							
Prep Date:	Analysis Date: <b>6/8/2022</b>		SeqNo: <b>3143806</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	930		1000		92.6	37.7	212			

Sample ID: <b>lcs-67986</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67986</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145156</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	72.3	137			
Surr: BFB	1800		1000		181	37.7	212			

Sample ID: <b>mb-67986</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67986</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145157</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	860		1000		85.7	37.7	212			

Sample ID: <b>2206384-001ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>BH-89</b>	Batch ID: <b>67986</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145159</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	29	4.9	24.30	0	121	70	130			
Surr: BFB	2100		971.8		212	37.7	212			

Sample ID: <b>2206384-001amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8015D: Gasoline Range</b>							
Client ID: <b>BH-89</b>	Batch ID: <b>67986</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145160</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206384

15-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: 2206384-001amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: BH-89	Batch ID: 67986	RunNo: 88619								
Prep Date: 6/8/2022	Analysis Date: 6/9/2022	SeqNo: 3145160 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	31	5.0	24.80	0	123	70	130	3.87	20	
Surr: BFB	2100		992.1		214	37.7	212	0	0	S

Sample ID: lcs-67989	SampType: LCS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: LCSS	Batch ID: 67989	RunNo: 88619								
Prep Date: 6/8/2022	Analysis Date: 6/9/2022	SeqNo: 3145180 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	23	5.0	25.00	0	93.7	72.3	137			
Surr: BFB	1800		1000		184	37.7	212			

Sample ID: mb-67989	SampType: MBLK	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: PBS	Batch ID: 67989	RunNo: 88619								
Prep Date: 6/8/2022	Analysis Date: 6/9/2022	SeqNo: 3145181 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	840		1000		83.7	37.7	212			

Sample ID: 2206384-022ams	SampType: MS	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: SW-26A	Batch ID: 67989	RunNo: 88619								
Prep Date: 6/8/2022	Analysis Date: 6/9/2022	SeqNo: 3145183 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	4.8	24.18	0	105	70	130			
Surr: BFB	1900		967.1		195	37.7	212			

Sample ID: 2206384-022amsd	SampType: MSD	TestCode: EPA Method 8015D: Gasoline Range								
Client ID: SW-26A	Batch ID: 67989	RunNo: 88619								
Prep Date: 6/8/2022	Analysis Date: 6/9/2022	SeqNo: 3145184 Units: mg/Kg								
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	24	4.8	24.06	0	100	70	130	5.38	20	
Surr: BFB	1900		962.5		198	37.7	212	0	0	

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206384

15-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>C88560</b>		RunNo: <b>88560</b>							
Prep Date:	Analysis Date: <b>6/8/2022</b>		SeqNo: <b>3143816</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.92	0.025	1.000	0	91.8	80	120			
Toluene	0.94	0.050	1.000	0	94.4	80	120			
Ethylbenzene	0.94	0.050	1.000	0	94.0	80	120			
Xylenes, Total	2.9	0.10	3.000	0	95.2	80	120			
Surr: 4-Bromofluorobenzene	0.96		1.000		96.5	70	130			

Sample ID: <b>2206384-011ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BH-19B</b>	Batch ID: <b>C88560</b>		RunNo: <b>88560</b>							
Prep Date:	Analysis Date: <b>6/8/2022</b>		SeqNo: <b>3143853</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.1	68.8	120			
Toluene	0.94	0.050	1.000	0	93.9	73.6	124			
Ethylbenzene	0.94	0.050	1.000	0	93.5	72.7	129			
Xylenes, Total	2.8	0.10	3.000	0	94.1	75.7	126			
Surr: 4-Bromofluorobenzene	0.91		1.000		91.4	70	130			

Sample ID: <b>2206384-011amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BH-19B</b>	Batch ID: <b>C88560</b>		RunNo: <b>88560</b>							
Prep Date:	Analysis Date: <b>6/8/2022</b>		SeqNo: <b>3143854</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	1.000	0	91.5	68.8	120	0.449	20	
Toluene	0.94	0.050	1.000	0	94.4	73.6	124	0.467	20	
Ethylbenzene	0.95	0.050	1.000	0	95.5	72.7	129	2.05	20	
Xylenes, Total	2.9	0.10	3.000	0	95.9	75.7	126	1.88	20	
Surr: 4-Bromofluorobenzene	0.95		1.000		95.2	70	130	0	0	

Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>C88560</b>		RunNo: <b>88560</b>							
Prep Date:	Analysis Date: <b>6/8/2022</b>		SeqNo: <b>3143856</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.92		1.000		91.5	70	130			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206384

15-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>ics-67986</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67986</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145204</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	80	120			
Toluene	0.93	0.050	1.000	0	93.4	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.7	80	120			
Xylenes, Total	2.7	0.10	3.000	0	91.2	80	120			
Surr: 4-Bromofluorobenzene	0.86		1.000		86.2	70	130			

Sample ID: <b>mb-67986</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67986</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145205</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.5	70	130			

Sample ID: <b>2206384-002ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BH-90</b>	Batch ID: <b>67986</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145208</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9872	0	111	68.8	120			
Toluene	1.1	0.049	0.9872	0	114	73.6	124			
Ethylbenzene	1.1	0.049	0.9872	0	116	72.7	129			
Xylenes, Total	3.4	0.099	2.962	0	115	75.7	126			
Surr: 4-Bromofluorobenzene	0.82		0.9872		83.5	70	130			

Sample ID: <b>2206384-002amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>BH-90</b>	Batch ID: <b>67986</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145209</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.025	0.9950	0	112	68.8	120	1.08	20	
Toluene	1.1	0.050	0.9950	0	114	73.6	124	0.409	20	
Ethylbenzene	1.1	0.050	0.9950	0	114	72.7	129	0.366	20	
Xylenes, Total	3.4	0.10	2.985	0	113	75.7	126	0.845	20	
Surr: 4-Bromofluorobenzene	0.83		0.9950		83.5	70	130	0	0	

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206384

15-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Battery

Sample ID: <b>ics-67989</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>67989</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145228</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.87	0.025	1.000	0	87.5	80	120			
Toluene	0.88	0.050	1.000	0	88.4	80	120			
Ethylbenzene	0.88	0.050	1.000	0	88.0	80	120			
Xylenes, Total	2.6	0.10	3.000	0	87.1	80	120			
Surr: 4-Bromofluorobenzene	0.85		1.000		85.4	70	130			

Sample ID: <b>mb-67989</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>67989</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145229</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		84.3	70	130			

Sample ID: <b>2206384-023ams</b>	SampType: <b>MS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>SW-41A</b>	Batch ID: <b>67989</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145232</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.91	0.025	0.9804	0	92.8	68.8	120			
Toluene	0.93	0.049	0.9804	0	94.4	73.6	124			
Ethylbenzene	0.92	0.049	0.9804	0	94.1	72.7	129			
Xylenes, Total	2.7	0.098	2.941	0	93.1	75.7	126			
Surr: 4-Bromofluorobenzene	0.83		0.9804		84.2	70	130			

Sample ID: <b>2206384-023amsd</b>	SampType: <b>MSD</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>SW-41A</b>	Batch ID: <b>67989</b>		RunNo: <b>88619</b>							
Prep Date: <b>6/8/2022</b>	Analysis Date: <b>6/9/2022</b>		SeqNo: <b>3145233</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.024	0.9775	0	95.4	68.8	120	2.55	20	
Toluene	0.95	0.049	0.9775	0	97.6	73.6	124	3.08	20	
Ethylbenzene	0.96	0.049	0.9775	0	97.8	72.7	129	3.53	20	
Xylenes, Total	2.8	0.098	2.933	0	97.0	75.7	126	3.73	20	
Surr: 4-Bromofluorobenzene	0.83		0.9775		84.6	70	130	0	0	

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		



Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: www.hallenvironmental.com

## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2206384

RcptNo: 1

Received By: Cheyenne Cason

6/8/2022 7:20:00 AM

*Chad*

Completed By: Cheyenne Cason

6/8/2022 8:14:41 AM

*Chad*

Reviewed By:

*6-8-22*

### Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Client

### Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved  
bottles checked  
for pH:

*10*  
*6/8/22*

( $<2$  or  $>12$  unless noted)

Adjusted? \_\_\_\_\_

Checked by: \_\_\_\_\_

### Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

### 17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.6	Good	Not Present			

~~Direct Bill to EOC Chase Settle~~

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly noted on the analytical report.

## Chain-of-Custody Record

Client: GHD

Turn-Around Time:  
☒ Standard ☐ Rush 5-8  
Project Name: 618122 AU Battery

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)

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: ☒ Yes ☐ No

# of Coolers: 1

Cooler Temp (including C-7): 6-21.6

Container Type and #

Preservative Type

HEAL No. 2206384

Seal

013

014

015

016

017

018

019

020

021

022

023

024

Date:

Time:

Relinquished by:

Received by:

Via:

Date Time

Date:

Time:

Relinquished by:

Received by:

Via:

Date Time

Date:

Time:

Relinquished by:

Received by:

Via:

Date Time

Date:

Time:

Relinquished by:

Received by:

Via:

Date Time

Remarks: Please email: Chase\_Settie@eogresources.com;

Tom.Larson@ghd.com; Zach.Comino@ghd.com

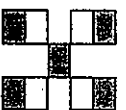
Matthew.Laughlin@ghd.com;

Amber.Griffin@eogresources.com; Along with Becky

Haskell listed above.

Direct Bill to EOG Chase Settie

If necessary, samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of this possibility. Any sub-contracted data will be clearly notated on the analytical report.


**HALL ENVIRONMENTAL  
ANALYSIS LABORATORY**

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Analysis Request





Hall Environmental Analysis Laboratory  
4901 Hawkins NE  
Albuquerque, NM 87109  
TEL: 505-345-3975 FAX: 505-345-4107  
Website: [www.hallenvironmental.com](http://www.hallenvironmental.com)

June 24, 2022

Tom Larson  
GHD Midland  
2135 S Loop 250 W  
Midland, TX 79703  
TEL: (432) 686-0086  
FAX:

RE: Gissler AV Tank Battery

OrderNo.: 2206B25

Dear Tom Larson:

Hall Environmental Analysis Laboratory received 1 sample(s) on 6/22/2022 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to [www.hallenvironmental.com](http://www.hallenvironmental.com) or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

Please don't hesitate to contact HEAL for any additional information or clarifications.

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0901

Sincerely,

A handwritten signature in black ink, appearing to read "Andy Freeman", is written over a horizontal line.

Andy Freeman  
Laboratory Manager  
4901 Hawkins NE  
Albuquerque, NM 87109

## Analytical Report

Lab Order 2206B25

Date Reported: 6/24/2022

## Hall Environmental Analysis Laboratory, Inc.

CLIENT: GHD Midland

Client Sample ID: SW-41B

Project: Gissler AV Tank Battery

Collection Date: 6/20/2022 10:30:00 AM

Lab ID: 2206B25-001

Matrix: MEOH (SOIL)

Received Date: 6/22/2022 7:20:00 AM

Analyses	Result	RL	Qual	Units	DF	Date Analyzed	Batch
<b>EPA METHOD 300.0: ANIONS</b>							Analyst: <b>NAI</b>
Chloride	180	60		mg/Kg	20	6/22/2022 3:43:37 PM	68297
<b>EPA METHOD 8015M/D: DIESEL RANGE ORGANICS</b>							Analyst: <b>ED</b>
Diesel Range Organics (DRO)	ND	13		mg/Kg	1	6/22/2022 11:56:23 AM	68282
Motor Oil Range Organics (MRO)	ND	44		mg/Kg	1	6/22/2022 11:56:23 AM	68282
Surr: DNOP	70.3	51.1-141		%Rec	1	6/22/2022 11:56:23 AM	68282
<b>EPA METHOD 8015D: GASOLINE RANGE</b>							Analyst: <b>NSB</b>
Gasoline Range Organics (GRO)	ND	4.2		mg/Kg	1	6/22/2022 9:27:06 AM	A88935
Surr: BFB	88.1	37.7-212		%Rec	1	6/22/2022 9:27:06 AM	A88935
<b>EPA METHOD 8021B: VOLATILES</b>							Analyst: <b>NSB</b>
Benzene	ND	0.021		mg/Kg	1	6/22/2022 9:27:06 AM	C88935
Toluene	ND	0.042		mg/Kg	1	6/22/2022 9:27:06 AM	C88935
Ethylbenzene	ND	0.042		mg/Kg	1	6/22/2022 9:27:06 AM	C88935
Xylenes, Total	ND	0.084		mg/Kg	1	6/22/2022 9:27:06 AM	C88935
Surr: 4-Bromofluorobenzene	87.2	70-130		%Rec	1	6/22/2022 9:27:06 AM	C88935

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

<b>Qualifiers:</b>	*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
	D	Sample Diluted Due to Matrix	E	Estimated value
	H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
	ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
	PQL	Practical Quantitative Limit	RL	Reporting Limit
	S	% Recovery outside of range due to dilution or matrix interference		

# QC SUMMARY REPORT

## Hall Environmental Analysis Laboratory, Inc.

WO#: 2206B25

24-Jun-22

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: <b>MB-68297</b>	SampType: <b>mbk</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>PBS</b>	Batch ID: <b>68297</b>	RunNo: <b>88965</b>								
Prep Date: <b>6/22/2022</b>	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3159374</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: <b>LCS-68297</b>	SampType: <b>lcs</b>	TestCode: <b>EPA Method 300.0: Anions</b>								
Client ID: <b>LCSS</b>	Batch ID: <b>68297</b>	RunNo: <b>88965</b>								
Prep Date: <b>6/22/2022</b>	Analysis Date: <b>6/22/2022</b>	SeqNo: <b>3159375</b>	Units: <b>mg/Kg</b>							
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	15	1.5	15.00	0	97.6	90	110			

### Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

Page 2 of 5

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206B25

24-Jun-22

**Client:** GHD Midland  
**Project:** Gissler AV Tank Battery

Sample ID: <b>LCS-68282</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>68282</b>		RunNo: <b>88913</b>							
Prep Date: <b>6/22/2022</b>	Analysis Date: <b>6/22/2022</b>		SeqNo: <b>3158877</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	48	15	50.00	0	95.1	64.4	127			
Surr: DNOP	3.1		5.000		61.2	51.1	141			

Sample ID: <b>MB-68282</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8015M/D: Diesel Range Organics</b>							
Client ID: <b>PBS</b>	Batch ID: <b>68282</b>		RunNo: <b>88913</b>							
Prep Date: <b>6/22/2022</b>	Analysis Date: <b>6/22/2022</b>		SeqNo: <b>3158878</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	15								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	9.1		10.00		90.7	51.1	141			

**Qualifiers:**

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Estimated value
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quantitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix interference		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: 2206B25

24-Jun-22

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: mb	SampType: MBLK			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: PBS	Batch ID: A88935			RunNo: 88935						
Prep Date:	Analysis Date: 6/22/2022			SeqNo: 3158893		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		91.7	37.7	212			

Sample ID: 2.5ug gro lcs	SampType: LCS			TestCode: EPA Method 8015D: Gasoline Range						
Client ID: LCSS	Batch ID: A88935			RunNo: 88935						
Prep Date:	Analysis Date: 6/22/2022			SeqNo: 3158894		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	105	72.3	137			
Surr: BFB	2100		1000		209	37.7	212			

Qualifiers:

\* Value exceeds Maximum Contaminant Level.

D Sample Diluted Due to Matrix

H Holding times for preparation or analysis exceeded

ND Not Detected at the Reporting Limit

PQL Practical Quantitative Limit

S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank

E Estimated value

J Analyte detected below quantitation limits

P Sample pH Not In Range

RL Reporting Limit

**QC SUMMARY REPORT****Hall Environmental Analysis Laboratory, Inc.**

WO#: 2206B25

24-Jun-22

**Client:** GHD Midland**Project:** Gissler AV Tank Battery

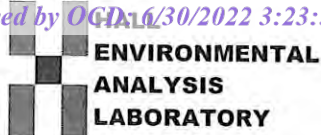
Sample ID: <b>mb</b>	SampType: <b>MBLK</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>PBS</b>	Batch ID: <b>C88935</b>		RunNo: <b>88935</b>							
Prep Date:	Analysis Date: <b>6/22/2022</b>		SeqNo: <b>3158937</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.91		1.000		91.2	70	130			

Sample ID: <b>100ng btex lcs</b>	SampType: <b>LCS</b>		TestCode: <b>EPA Method 8021B: Volatiles</b>							
Client ID: <b>LCSS</b>	Batch ID: <b>C88935</b>		RunNo: <b>88935</b>							
Prep Date:	Analysis Date: <b>6/22/2022</b>		SeqNo: <b>3158938</b>		Units: <b>mg/Kg</b>					
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.89	0.025	1.000	0	88.6	80	120			
Toluene	0.93	0.050	1.000	0	92.8	80	120			
Ethylbenzene	0.93	0.050	1.000	0	92.7	80	120			
Xylenes, Total	2.8	0.10	3.000	0	92.9	80	120			
Surr: 4-Bromofluorobenzene	0.93		1.000		93.3	70	130			

**Qualifiers:**

\* Value exceeds Maximum Contaminant Level.  
D Sample Diluted Due to Matrix  
H Holding times for preparation or analysis exceeded  
ND Not Detected at the Reporting Limit  
PQL Practical Quantitative Limit  
S % Recovery outside of range due to dilution or matrix interference

B Analyte detected in the associated Method Blank  
E Estimated value  
J Analyte detected below quantitation limits  
P Sample pH Not In Range  
RL Reporting Limit



## Sample Log-In Check List

Client Name: GHD Midland

Work Order Number: 2206B25

RcptNo: 1

Received By: Cheyenne Cason 6/22/2022 7:20:00 AM

Completed By: Cheyenne Cason 6/22/2022 7:41:20 AM

Reviewed By: WPC 6.22.22

Chad

Chad

Chain of Custody

1. Is Chain of Custody complete? Yes ☒ No ☐ Not Present ☐
2. How was the sample delivered? Courier

Log In

3. Was an attempt made to cool the samples? Yes ☒ No ☐ NA ☐
4. Were all samples received at a temperature of  $>0^{\circ}\text{C}$  to  $6.0^{\circ}\text{C}$ ? Yes ☒ No ☐ NA ☐
5. Sample(s) in proper container(s)? Yes ☒ No ☐
6. Sufficient sample volume for indicated test(s)? Yes ☒ No ☐
7. Are samples (except VOA and ONG) properly preserved? Yes ☒ No ☐
8. Was preservative added to bottles? Yes ☐ No ☒ NA ☐
9. Received at least 1 vial with headspace  $<1/4"$  for AQ VOA? Yes ☐ No ☐ NA ☒
10. Were any sample containers received broken? Yes ☐ No ☒
11. Does paperwork match bottle labels?  
(Note discrepancies on chain of custody) Yes ☒ No ☐
12. Are matrices correctly identified on Chain of Custody? Yes ☒ No ☐
13. Is it clear what analyses were requested? Yes ☒ No ☐
14. Were all holding times able to be met?  
(If no, notify customer for authorization.) Yes ☒ No ☐

# of preserved bottles checked for pH:

(&lt;2 or &gt;12 unless noted)

Adjusted?

Checked by: JN 6/22/22

Special Handling (if applicable)

15. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☒

Person Notified: \_\_\_\_\_

Date: \_\_\_\_\_

By Whom: \_\_\_\_\_

Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: \_\_\_\_\_

Client Instructions: \_\_\_\_\_

16. Additional remarks:

17. Cooler Information

Cooler No	Temp $^{\circ}\text{C}$	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	5.1	Good	Not Present			



## **Appendix E**

# **Confirmation Sampling Notifications**

## Becky Haskell

---

**From:** Amber Griffin <Amber\_Griffin@eogresources.com>  
**Sent:** Monday, May 2, 2022 3:24 PM  
**To:** Becky Haskell; Zach Comino  
**Cc:** Chase Settle  
**Subject:** FW: Gissler AV Battery (nAPP2127156073) Sampling Notification

Thank you,  
Amber Griffin

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Monday, May 2, 2022 2:05 PM  
**To:** Robert.Hamlet@state.nm.us  
**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>  
**Subject:** Gissler AV Battery (nAPP2127156073) Sampling Notification

Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Gissler AV Battery  
F-23-17S-25E; Eddy County, NM  
nAPP2127156073

Sampling will begin at 2:00 p.m. on Wednesday, May 4, 2022.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



## Becky Haskell

---

**From:** Amber Griffin <Amber\_Griffin@eogresources.com>  
**Sent:** Thursday, May 5, 2022 9:18 AM  
**To:** Becky Haskell; Zach Comino  
**Cc:** Chase Settle  
**Subject:** FW: Gissler AV Battery (nAPP2127156073) Sampling Notification

Thank you,  
Amber Griffin

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Thursday, May 5, 2022 8:17 AM  
**To:** Robert.Hamlet@state.nm.us  
**Cc:** Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>; Artesia Regulatory <Artesia\_Regulatory@eogresources.com>  
**Subject:** Gissler AV Battery (nAPP2127156073) Sampling Notification

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Gissler AV Battery  
F-23-17S-25E; Eddy County, NM  
nAPP2127156073

Sampling will begin at 8:00 a.m. on Monday, May 9, 2022.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Becky Haskell**

---

**From:** Miriam Morales <Miriam\_Morales@eogresources.com>  
**Sent:** Friday, May 13, 2022 10:57 AM  
**To:** Artesia S&E Spill Remediation  
**Cc:** Artesia Regulatory  
**Subject:** FW: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

FYI

*Miriam Morales*

---

**From:** Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>  
**Sent:** Friday, May 13, 2022 9:00 AM  
**To:** Miriam Morales <Miriam\_Morales@eogresources.com>  
**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>; Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>; Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@state.nm.us>  
**Subject:** RE: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Miriam,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

**Robert Hamlet** • Environmental Specialist - Advanced  
Environmental Bureau  
EMNRD - Oil Conservation Division  
811 S. First Street | Artesia, NM 88210  
575.909.0302 | [robert.hamlet@state.nm.us](mailto:robert.hamlet@state.nm.us)  
<http://www.emnrd.state.nm.us/OCD/>



---

**From:** Miriam Morales <[Miriam\\_Morales@eogresources.com](mailto:Miriam_Morales@eogresources.com)>  
**Sent:** Wednesday, May 11, 2022 3:48 PM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>  
**Cc:** Artesia Regulatory <[Artesia\\_Regulatory@eogresources.com](mailto:Artesia_Regulatory@eogresources.com)>; Artesia S&E Spill Remediation <[Artesia\\_S&E\\_Spill\\_Remediation@eogresources.com](mailto:Artesia_S&E_Spill_Remediation@eogresources.com)>  
**Subject:** [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Gissler AV Battery  
F-23-17S-25E; Eddy County, NM  
nAPP2127156073

Sampling will begin at 08:00 a.m. on Monday, May 16, 2022.

Thank you,

*Miriam Morales*

**Becky Haskell**

---

**From:** Amber Griffin <Amber\_Griffin@eogresources.com>  
**Sent:** Thursday, May 19, 2022 2:57 PM  
**To:** Becky Haskell; Zach Comino  
**Cc:** Chase Settle  
**Subject:** FW: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

Thank you,

Amber Griffin

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Thursday, May 19, 2022 1:57 PM  
**To:** Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>  
**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>  
**Subject:** FW: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

FYI

---

**From:** Nobui, Jennifer, EMNRD <[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)>  
**Sent:** Thursday, May 19, 2022 9:46 AM  
**To:** Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
**Cc:** Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)>  
**Subject:** RE: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hi Tina,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks  
Jennifer Nobui

---

**From:** Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
**Sent:** Thursday, May 19, 2022 9:13 AM  
**To:** Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Nobui, Jennifer, EMNRD <[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)>; Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)>  
**Cc:** Artesia S&E Spill Remediation <[Artesia\\_S&E\\_Spill\\_Remediation@eogresources.com](mailto:Artesia_S&E_Spill_Remediation@eogresources.com)>; Artesia Regulatory <[Artesia\\_Regulatory@eogresources.com](mailto:Artesia_Regulatory@eogresources.com)>  
**Subject:** [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Gissler AV Battery  
F-23-17S-25E; Eddy County, NM  
nAPP2127156073

Sampling will begin at 8:00 a.m. on Tuesday, May 24, 2022.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Becky Haskell**

---

**From:** Amber Griffin <Amber\_Griffin@eogresources.com>  
**Sent:** Thursday, June 2, 2022 10:56 AM  
**To:** Becky Haskell; Zach Comino  
**Subject:** FW: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

Thank you,  
Amber Griffin

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Thursday, June 2, 2022 9:52 AM  
**To:** Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>  
**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>  
**Subject:** FW: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

FYI

---

**From:** Nobui, Jennifer, EMNRD <[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)>  
**Sent:** Wednesday, June 1, 2022 4:38 PM  
**To:** Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
**Cc:** Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)>; Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>  
**Subject:** RE: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,  
Jennifer Nobui

---

**From:** Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
**Sent:** Wednesday, June 1, 2022 4:32 PM  
**To:** Nobui, Jennifer, EMNRD <[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)>; Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>  
**Cc:** Artesia S&E Spill Remediation <[Artesia\\_S&E\\_Spill\\_Remediation@eogresources.com](mailto:Artesia_S&E_Spill_Remediation@eogresources.com)>; Artesia Regulatory <[Artesia\\_Regulatory@eogresources.com](mailto:Artesia_Regulatory@eogresources.com)>  
**Subject:** [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Afternoon,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Gissler AV Battery  
F-23-17S-25E; Eddy County, NM  
nAPP2127156073

Sampling will begin at 8:00 a.m. on Monday, June 6, 2022.

Thank you,

*Tina Huerta*  
*Regulatory Specialist*  
*Direct: 575.748.4168*  
*Cell: 575.703.3121*  
*Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)*



**Becky Haskell**

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**From:** Amber Griffin <Amber\_Griffin@eogresources.com>  
**Sent:** Thursday, June 16, 2022 1:23 PM  
**To:** Becky Haskell; Zach Comino  
**Subject:** FW: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

Thank you,  
Amber Griffin

---

**From:** Tina Huerta <Tina\_Huerta@eogresources.com>  
**Sent:** Thursday, June 16, 2022 9:36 AM  
**To:** Artesia S&E Spill Remediation <Artesia\_S&E\_Spill\_Remediation@eogresources.com>  
**Cc:** Artesia Regulatory <Artesia\_Regulatory@eogresources.com>  
**Subject:** FW: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

FYI

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**From:** Nobui, Jennifer, EMNRD <[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)>  
**Sent:** Thursday, June 16, 2022 9:34 AM  
**To:** Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
**Cc:** Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>; Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)>  
**Subject:** RE: [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

**CAUTION:** This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Tina

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks  
Jennifer Nobui

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**From:** Tina Huerta <[Tina\\_Huerta@eogresources.com](mailto:Tina_Huerta@eogresources.com)>  
**Sent:** Thursday, June 16, 2022 7:51 AM  
**To:** Nobui, Jennifer, EMNRD <[Jennifer.Nobui@state.nm.us](mailto:Jennifer.Nobui@state.nm.us)>; Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@state.nm.us](mailto:Jocelyn.Harimon@state.nm.us)>; Bratcher, Mike, EMNRD <[mike.bratcher@state.nm.us](mailto:mike.bratcher@state.nm.us)>; Hamlet, Robert, EMNRD <[Robert.Hamlet@state.nm.us](mailto:Robert.Hamlet@state.nm.us)>  
**Cc:** Artesia S&E Spill Remediation <[Artesia\\_S&E\\_Spill\\_Remediation@eogresources.com](mailto:Artesia_S&E_Spill_Remediation@eogresources.com)>; Artesia Regulatory <[Artesia\\_Regulatory@eogresources.com](mailto:Artesia_Regulatory@eogresources.com)>  
**Subject:** [EXTERNAL] Gissler AV Battery (nAPP2127156073) Sampling Notification

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good Morning,

EOG Resources, Inc. respectfully submits notification of sampling to be conducted at the below location.

Gissler AV Battery  
F-23-17S-25E; Eddy County, NM  
nAPP2127156073

Sampling will begin at 8:00 a.m. on Monday, June 20, 2022.

Thank you,

Tina Huerta  
Regulatory Specialist  
Direct: 575.748.4168  
Cell: 575.703.3121  
Email: [tina\\_huerta@eogresources.com](mailto:tina_huerta@eogresources.com)



**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 122113

CONDITIONS

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 122113
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
bbillings	None	7/12/2022