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)

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

Cause of Release: Historical impacts 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.

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127156073
District RP	
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Was this a major release as defined by 19.15.29.7(A) NMAC? ☐ Yes ☑ No	If YES, for what reason(s) does the responsible party consider this a major release?
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

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

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

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

Signature: Chase Settle
Date: 9/28/21

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

OCD Only

Received by: Ramona Marcus
Date: 10/01/2021

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127156073
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

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

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

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

Incident ID	nAPP2127156073
District RP	
Facility ID	
Application ID	

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

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

Signature: Chase Settle Date: 03/21/2022

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

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2127156073
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

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

Signature: Chase Settle Date: 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

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

Our ref: 112563391

March 18, 2022

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

Re: Site Characterization and Remediation Work Plan
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 Characterization and Remediation Work Plan to the New Mexico Oil Conservation Division (NMOCD) District 2 Office. This Report provides documentation of delineation, sampling, and analyses that was conducted in the affected area at the EOG Gissler AV Battery Release Site (Site). In addition, this Report presents a Work Plan for remediation of affected soils identified at the 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 32.82313º N latitude and 104.45703º 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 Figure 2, Site Assessment: Soil Analytical Results Map.

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 go ahead and 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, and Remediation Plan portions of Form C-141 are attached to the front of this report.

3. Groundwater and Site Characterization

GHD characterized the Site according to Table 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, proposes 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 northern 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 300 feet of a significant watercourse and must be treated as if groundwater is less than fifty (50) feet below ground surface (bgs). 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 B. The soil and closure criteria are listed below and will be referred to as **Standard A** in this report.

General Site Characterization and Groundwater: Table 1

Site Characterization	Average Groundwater Depth (ft.)
300 Feet from a Significant Watercourse/Wetlands	Unknown, Treated as <50 ft.

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

Constituent	Limits
Chloride	600 mg/kg
TPH (GRO+DRO+MRO)	100 mg/kg
TPH (GRO+DRO)	Not Applicable
Benzene	10 mg/kg
BTEX	50 mg/kg

Area B:

Depth to groundwater at the Site is estimated to be greater than one hundred (100) ft bgs 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 ft bgs 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: Table 1

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 and 13)

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

4. Initial Soil Delineation Assessment Summary and Findings

Between 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 ft bgs. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8021B, total petroleum hydrocarbons (TPH) by Method 8015B Modified, and chloride by EPA Method 300 by Hall Environmental Analysis Laboratory (HEAL) in Albuquerque, New Mexico.

Analytical results indicated three (3) of the nine (9) test pits in Area A had samples exceeding applicable Table I **(Standard A)** closure criteria for a significant watercourse less than three hundred (300) feet, at varying depths: TP-12, TP-13, and TP-15. Area B had two (2) of the twenty-two (22) test pits exhibit concentrations over Table I **(Standard B)** closure criteria for depth to groundwater greater than one hundred (100) feet. 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 C.

Between January 4 and 5, 2022, GHD and White Drilling Co. (White) installed a soil boring SB-1 to 137 ft bgs 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 5 ft bgs, 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 60 ft bgs and 130 ft bgs, respectively. The SB-1 Soil Boring Log is provided as Attachment B.

5. nAPP2127156073 Proposed Work Plan

Area A:

Sample locations TP-13 and TP-15, and SB-1 exhibited Total TPH and chloride concentrations above Table I **(Standard A)** closure criteria to varying depths ranging from two (2) feet to twenty (20) feet below grade. Test pit TP-12 exhibited Total TPH concentrations above Table I **(Standard A)** at four feet below grade. Soil boring SB-1 exhibited TPH concentrations above Table I **(Standard A)** closure criteria at five (5), twenty (20), and fifty (50) feet bgs. Soil Boring SB-1 exhibited no TPH concentrations after the first five (5) feet bgs and again at twenty (20) and fifty (50) bgs. Due to low

TPH concentrations and irregular results it was determined to be cross-contamination from the drill rig lubrication or debris falling into the bore hole from the interval of surface to five (5) bgs.

As per NMAC 19.15.29.14, GHD, on behalf of EOG, is requesting a variance for rule NMAC 19.15.29.12 for chloride impacts beyond twenty (20) feet below grade surface depth. SB-1 exhibited chloride concentrations beyond twenty (20) feet below grade and TP-13 had chloride concentrations above Table I **(Standard A)** closure criteria at twenty feet below grade. These areas will be excavated to twenty (20) feet below grade. After confirmation samples are collected the area will be backfilled with clean backfill material to four (4) feet below grade and a liner will be installed over the area represented by TP-13 and SB-1. The liner will shed the water away from pushing the chloride impacts down and will protect against further migration of the chloride concentrations to deeper depths.

GHD, on behalf of EOG, proposes to excavate soils in the rest of Area A to the following depths:

- TP-12 will be excavated to four (4) to six (6) feet below grade or until concentrations are below Table I closure criteria.
- TP-15 will be excavated to fourteen (14) to sixteen (16) feet below grade or until concentrations are below Table I closure criteria.

Area B:

Test pits TP-3 and TP-4 exhibited Total TPH above Table I **(Standard B)** closure criteria. None of the other samples submitted for analysis exhibited exceedances above Table I **(Standard B)** closure criteria. Test pits TP-1, TP-2, TP-5, TP-7, TP-8, TP-9, TP-10, TP-18 and TP-22 exhibited TPH and/or chloride concentrations above NMAC 19.15.29.13 for restoration.

GHD, on behalf of EOG, proposes to excavate soils to the following depths:

- TP-1 and TP-18 will be excavated from surface to two (2) feet below grade or until concentrations are below limits for NMAC 19.15.29.13 (restoration).
- TP-2, TP-5, TP-6, TP-7, TP-8, TP-9, TP-10 and TP-22 will be excavated two (2) to four (4) feet below grade or until concentrations are below limits for NMAC 19.15.29.13 (restoration).
- TP-3 twelve (12) to sixteen (16) feet below grade or until concentrations are below Table I closure criteria.
- TP-4 will be excavated to twenty (20) feet below grade or until concentrations are below Table I closure criteria.

GHD, on behalf of EOG, is requesting an alternative sampling plan. Composite confirmation samples will be collected from the bottom of the excavation from areas representing no more than five hundred (500) square feet. Composite confirmation samples will be collected from the sidewalls of the excavation from areas representing no more than two hundred (200) square feet. Discrete soil samples will be collected from the sidewalls if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by Method 8015B Modified, and chloride by EPA Method 300.

If confirmation samples exhibit benzene, BTEX, Total TPH, and chloride concentrations below Table I closure criteria for the two (2) different area, the excavation will be backfilled with non-impacted soil transported to the Site. If TPH concentrations exceed Table I closure criteria, an amendment to this plan will be submitted through the portal for NMOCD consideration.

Excavated soils will be transported to a NMOCD approved disposal facility for disposal. The anticipated volume of soil to be disposed of is approximately 12,850 cubic yards depending on the final dimensions of the excavation based on the depth and site conditions encountered. The excavation will be backfilled with non-impacted soil transported to the site. The remediation will be performed within 120 days after the work plan has been approved due to the volume of soil to be excavated and disposed of.

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

Sincerely,

GHD

Becky Haskell
Senior Project Manager

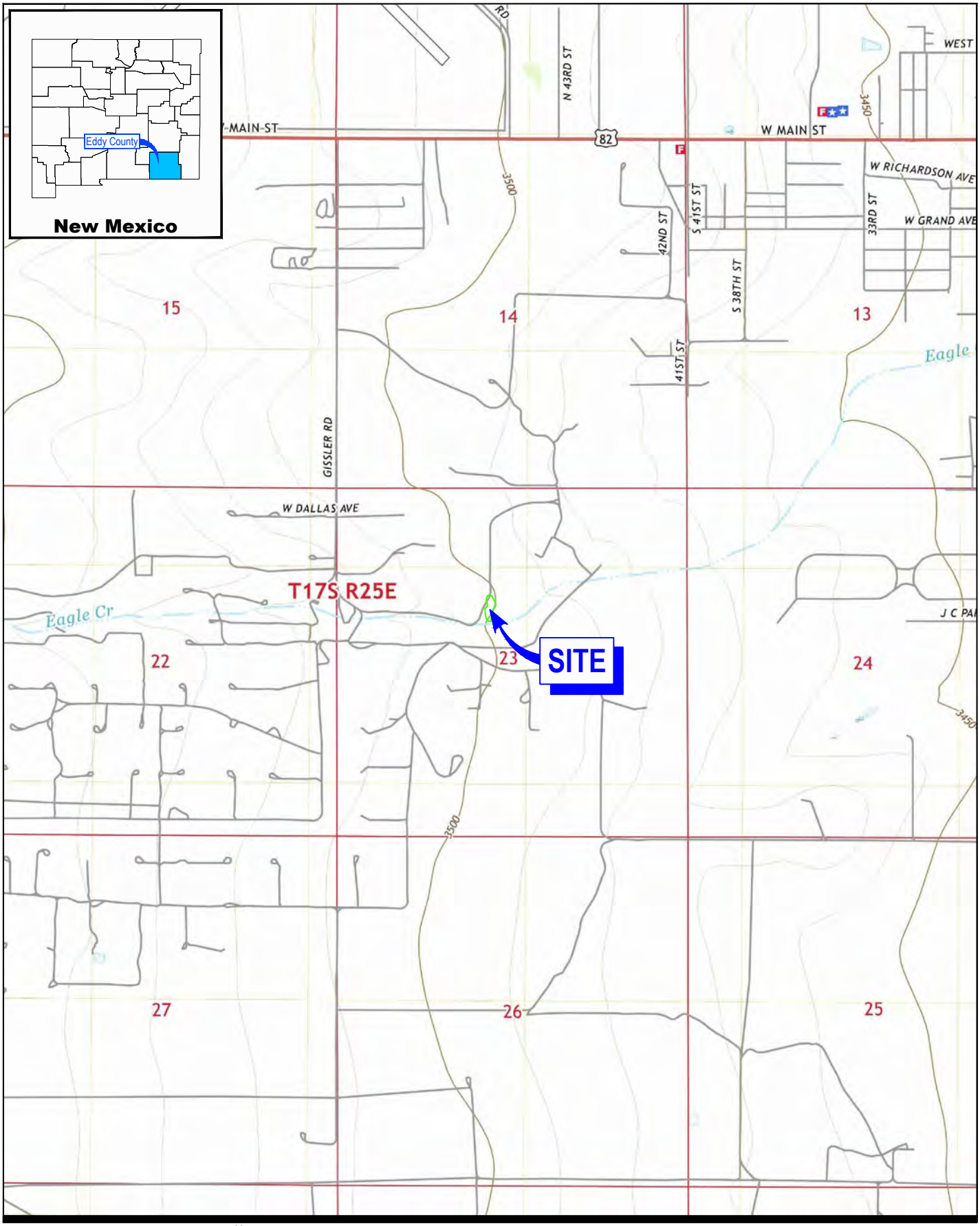
Tom Larson
Project Director

BH/tl/1

Encl. Figure 1 – Site Location Map
Figure 2 – Site Assessment: Soil Analytical Results Map
Figure 3 – Site Boundary Map
Table 1 – Summary of Soil Analytical Data
Attachment A – Site Characterization Documentation
Attachment B – SB-1 Soil Boring Log
Attachment C – Laboratory Analytical Reports and Chain-of-Custody Documentation

CC: Chase Settle

Figures



0 1000 2000 ft

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

N

GHD

EOG RESOURCES
EDDY COUNTY, NEW MEXICO
GISSLER AV BATTERY

Project No. 12563391-02
Date February 2022

SITE LOCATION MAP

FIGURE 1

Filename: N:\US\Midland\Projects\562\12563391\Digital_Design\ACAD\Figures\RPT001\12563391-GHD-0000-RPT-EN-0101_DL-001.dwg

Data Source: USGS 7.5 Minute Quad "Artesia, New Mexico"
Lat/Long: 32.8230° North, 104.4569° West

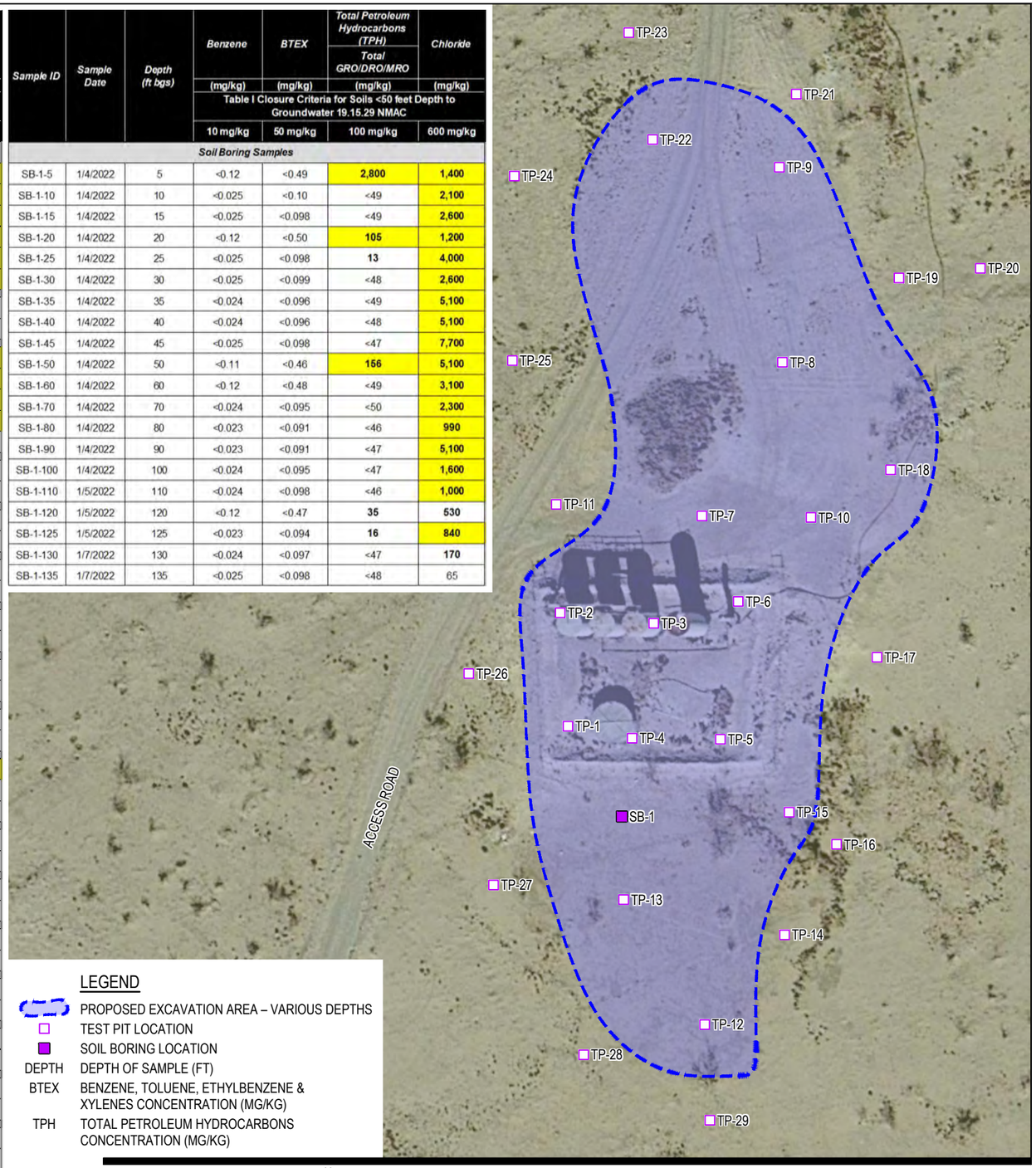
Sample ID	Sample Date	Depth (ft bgs)	Benzene	BTEX	Total Petroleum Hydrocarbons (TPH)	Chloride
					Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soils <50 feet Depth to Groundwater 19.15.29 NMAC			
			10 mg/kg	50 mg/kg	100 mg/kg	600 mg/kg
Initial Assessment Samples - 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
					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
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

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

NOTES:

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



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)

0 ## #####

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

N

GHD

EOG RESOURCES
EDDY COUNTY, NEW MEXICO
GISSLER AV BATTERY

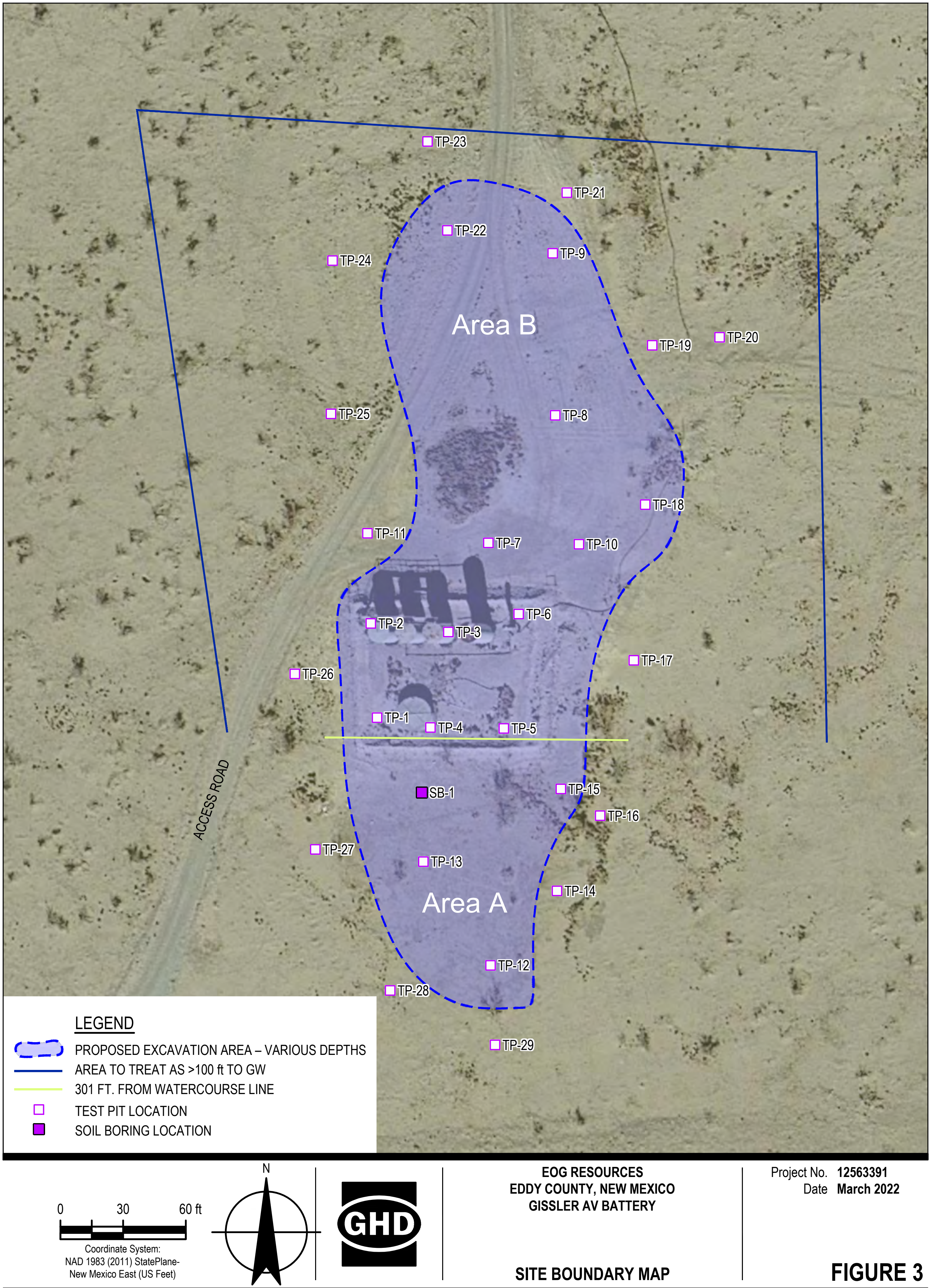
SITE ASSESSMENT:
SOIL ANALYTICAL RESULTS MAP

Project No. 12563391-02
Date March 2022

FIGURE 2

Filename: \\ghdnet\ghd\US\Midland\Projects\562\12563391\Digital_Design\ACAD\Figures\RPT001\12563391-GHD-0000-RPT-EN-0101_DL-001.dwg
Plot Date: 15 March 2022 9:18 PM

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



EOG RESOURCES
EDDY COUNTY, NEW MEXICO
GISSLER AV BATTERY

SITE BOUNDARY MAP

Project No. 12563391
Date March 2022

FIGURE 3

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

Tables

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

Area A													
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

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

Area A													
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
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
TP29-2	10/21/2021	2	<0.023	<0.047	<0.047	<0.094	<0.094	<4.7	<9.7	<48	<48	<60
Soil Boring Samples												
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**

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

Area A												
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
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

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).
9. --- = not defined

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

Table 2
Summary of Soil Analytical Data
Gissler AV Battery
EOG Resources
Eddy County, New Mexico

Area B													
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	1,000 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**	**5,900**	**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**

Table 2
Summary of Soil Analytical Data
Gissler AV Battery
EOG Resources
Eddy County, New Mexico

Area B												
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	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
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	-
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**

Table 2
Summary of Soil Analytical Data
Gissler AV Battery
EOG Resources
Eddy County, New Mexico

Area B												
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	1,000 mg/kg		---	2,500 mg/kg	20,000 mg/kg
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**
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

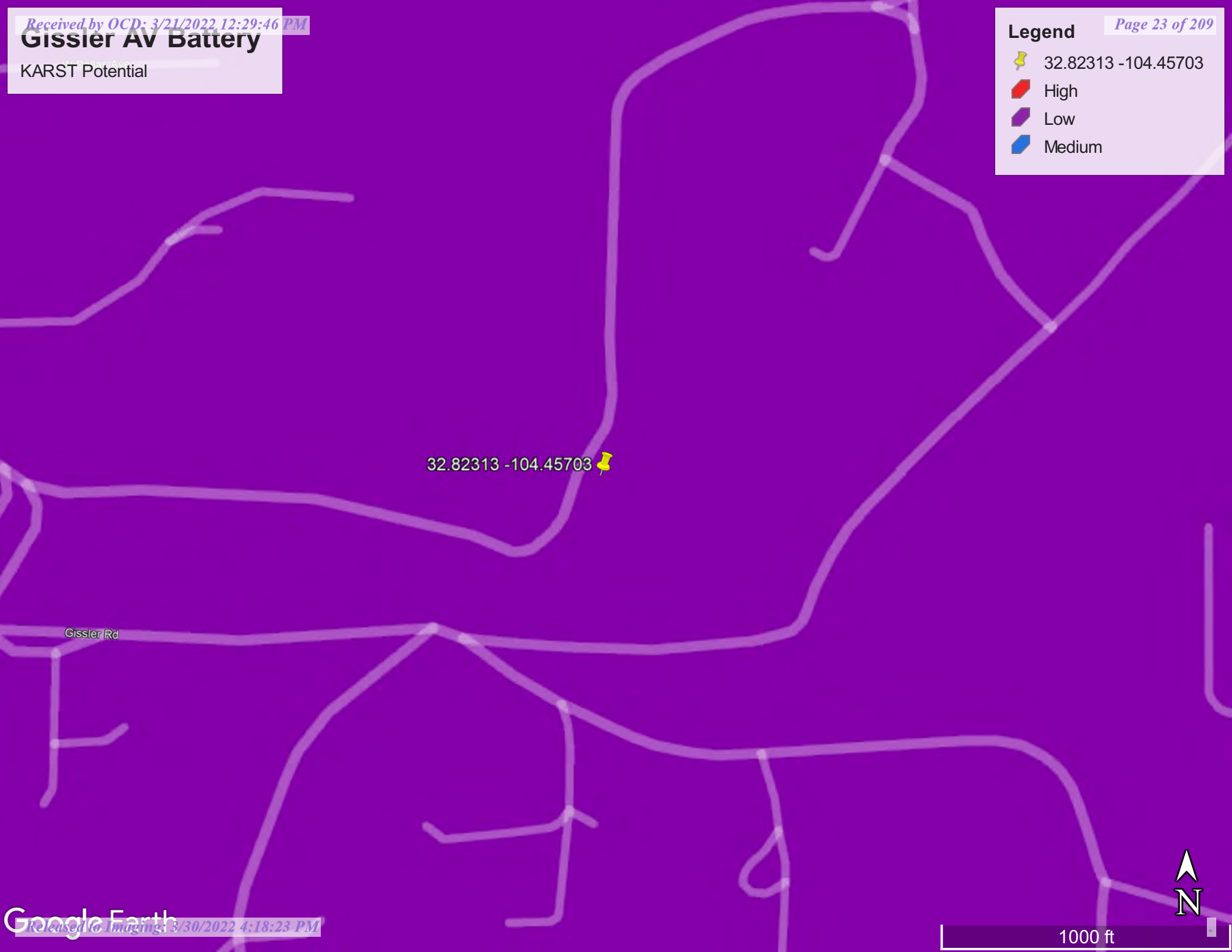
Notes:
1. Values reported in mg/kg
2. < = Value Less than Reporting Limit (RL)
3. Bold Indicates Analyte Detected
4 BTEX analyses by EPA Method SW 8021B.
5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO = Gasoline/Diesel/Motor Oil
7. Yellow shaded cells indicate analytical samples that exceed 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).
9. --- = not defined

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

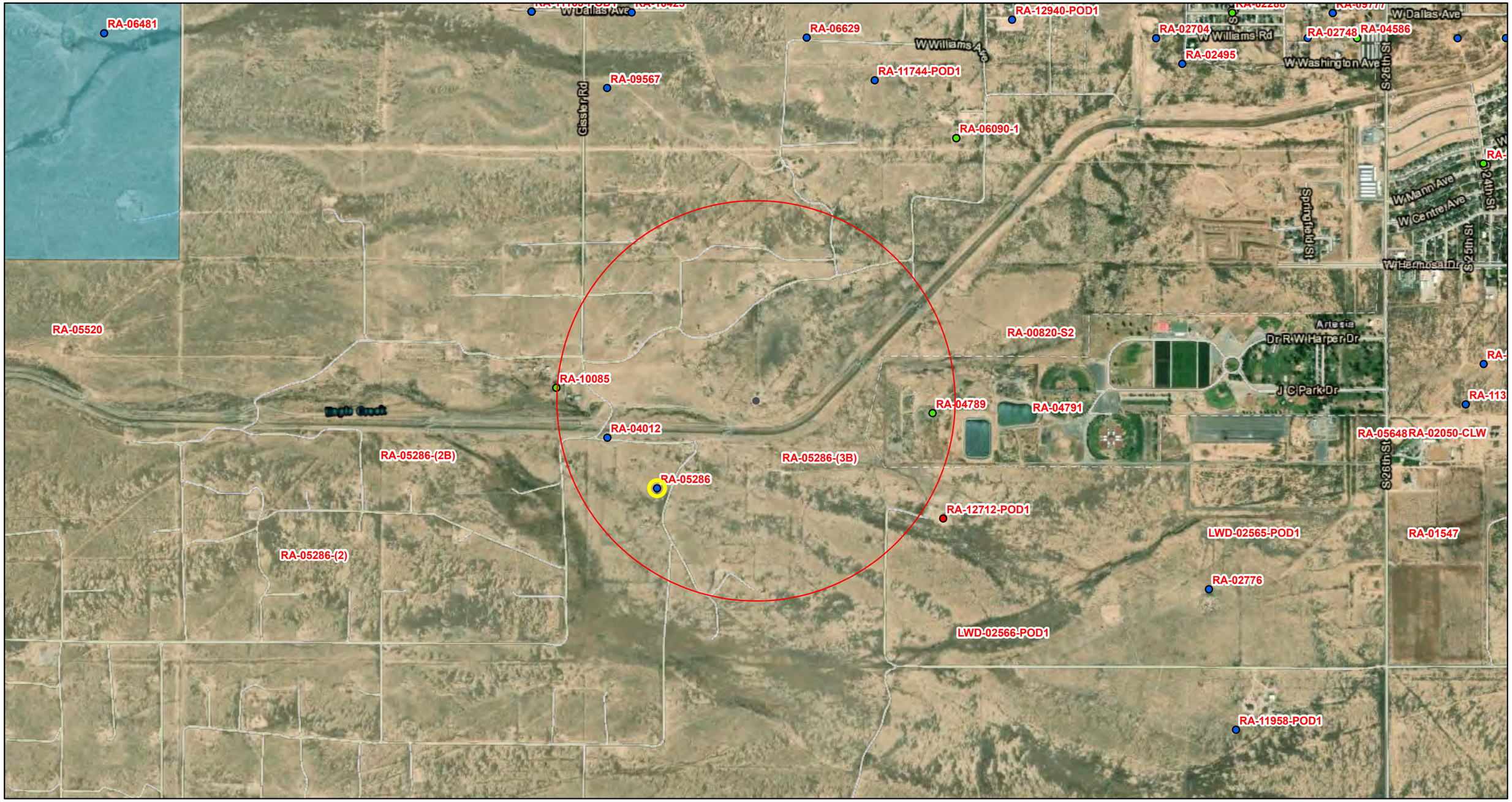
Attachment A
Site Characterization Documentation

Gissler AV Battery

KARST Potential



Gissler AV Battery



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

GIS WATERS PODs
- Active
- Pending
- Plugged
- OSE District Boundary

New Mexico State Trust Lands
- Both Estates
- SiteBoundaries

1:18,056

0 0.17 0.35 0.7 mi

0 0.3 0.6 1.2 km

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

Printed from Public Web Map
Unofficial Map from OSE POD Locations Web Application

Gissler AV Battery

USGS Well Map

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurem

Groundwater | United States | GO

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- Explore the *NEW* USGS National Water Dashboard interactive map to access real-time water data from over 13,500 stations nationwide.
- Full News

Groundwater levels for the Nation

Important: Next Generation Monitoring Location Page

Search Results -- 1 sites found

Agency code = usgs
site_no list =
- 324930104272301

Minimum number of levels = 1
Save file of selected sites to local disk for future upload

USGS 324930104272301 17S.25E.23.124411

Eddy County, New Mexico
Latitude 32°49'30", Longitude 104°27'23" NAD27
Land-surface elevation 3,496 feet above NAVD88
The depth of the well is 247 feet below land surface.
This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurem
1963-07-23	D	62610		3319.92	NGVD29	1	Z	A
1963-07-23	D	62611		3321.46	NAVD88	1	Z	A
1963-07-23	D	72019	174.54			1	Z	A
1963-08-13	D	62610		3319.59	NGVD29	P	Z	A
1963-08-13	D	62611		3321.13	NAVD88	P	Z	A
1963-08-13	D	72019	174.87			P	Z	A
1963-09-04	D	62610		3319.52	NGVD29	1	Z	A
1963-09-04	D	62611		3321.06	NAVD88	1	Z	A
1963-09-04	D	72019	174.94			1	Z	A
1963-10-02	D	62610		3319.19	NGVD29	1	Z	A
1963-10-02	D	62611		3320.73	NAVD88	1	Z	A
1963-10-02	D	72019	175.27			1	Z	A
1964-01-08	D	62610		3318.53	NGVD29	1	Z	A
1964-01-08	D	62611		3320.07	NAVD88	1	Z	A
1964-01-08	D	72019	175.93			1	Z	A
1965-01-12	D	62610		3316.01	NGVD29	1	Z	A
1965-01-12	D	62611		3317.55	NAVD88	1	Z	A
1965-01-12	D	72019	178.45			1	Z	A
1966-01-13	D	62610		3313.59	NGVD29	1	Z	A
1966-01-13	D	62611		3315.13	NAVD88	1	Z	A
1966-01-13	D	72019	180.87			1	Z	A
1970-01-15	D	62610		3308.18	NGVD29	1	Z	A
1970-01-15	D	62611		3309.72	NAVD88	1	Z	A
1970-01-15	D	72019	186.28			1	Z	A
1971-01-26	D	62610		3306.74	NGVD29	1	Z	A
1971-01-26	D	62611		3308.28	NAVD88	1	Z	A
1971-01-26	D	72019	187.72			1	Z	A
1984-02-06	D	62610		3293.24	NGVD29	1	Z	A
1984-02-06	D	62611		3294.78	NAVD88	1	Z	A
1984-02-06	D	72019	201.22			1	Z	A
1989-01-25	D	62610		3297.72	NGVD29	1	Z	A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurem	
1989-01-25		D	62611		3299.26	NAVD88	1	Z	A
1989-01-25		D	72019	196.74			1	Z	A
1990-03-06		D	62610		3297.51	NGVD29	1	Z	A
1990-03-06		D	62611		3299.05	NAVD88	1	Z	A
1990-03-06		D	72019	196.95			1	Z	A
1999-01-26		D	62610		3283.04	NGVD29	1	S USGS	S A
1999-01-26		D	62611		3284.58	NAVD88	1	S USGS	S A
1999-01-26		D	72019	211.42			1	S USGS	S A
2003-01-24		D	62610		3278.23	NGVD29	1	S USGS	S A
2003-01-24		D	62611		3279.77	NAVD88	1	S USGS	S A
2003-01-24		D	72019	216.23			1	S USGS	S A
2004-02-11		D	62610		3284.50	NGVD29	1	S USGS	S A
2004-02-11		D	62611		3286.04	NAVD88	1	S USGS	S A
2004-02-11		D	72019	209.96			1	S USGS	S A
2006-02-01	16:40 UTC	m	62610		3292.91	NGVD29	1	S NM001	A A
2006-02-01	16:40 UTC	m	62611		3294.45	NAVD88	1	S NM001	A A
2006-02-01	16:40 UTC	m	72019	201.55			1	S NM001	A A
2007-02-01	20:00 UTC	m	62610		3292.83	NGVD29	1	S NM001	A A
2007-02-01	20:00 UTC	m	62611		3294.37	NAVD88	1	S NM001	A A
2007-02-01	20:00 UTC	m	72019	201.63			1	S NM001	A A
2008-01-15	20:45 UTC	m	62610		3292.93	NGVD29	1	S NM001	A A
2008-01-15	20:45 UTC	m	62611		3294.47	NAVD88	1	S NM001	A A
2008-01-15	20:45 UTC	m	72019	201.53			1	S NM001	A A
2009-01-07		D	62610		3282.05	NGVD29	1	S NM001	A A
2009-01-07		D	62611		3283.59	NAVD88	1	S NM001	A A
2009-01-07		D	72019	212.41			1	S NM001	A A
2010-01-21	19:40 UTC	m	62610		3291.51	NGVD29	1	S NM001	A A
2010-01-21	19:40 UTC	m	62611		3293.05	NAVD88	1	S NM001	A A
2010-01-21	19:40 UTC	m	72019	202.95			1	S NM001	A A
2011-01-26	20:15 UTC	m	62610		3292.00	NGVD29	1	S NM001	A A
2011-01-26	20:15 UTC	m	62611		3293.54	NAVD88	1	S NM001	A A

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurem
2011-01-26	20:15 UTC	m	72019	202.46		1	S	NM001	A	A
2012-01-17	19:30 UTC	m	62610	3291.80	NGVD29	1	S	NM001	A	A
2012-01-17	19:30 UTC	m	62611	3293.34	NAVD88	1	S	NM001	A	A
2012-01-17	19:30 UTC	m	72019	202.66		1	S	NM001	A	A
2013-01-28	21:15 UTC	m	62610	3291.56	NGVD29	1	S	NM001	A	A
2013-01-28	21:15 UTC	m	62611	3293.10	NAVD88	1	S	NM001	A	A
2013-01-28	21:15 UTC	m	72019	202.90		1	S	NM001	A	A
2015-01-15	20:20 UTC	m	62610	3292.72	NGVD29	1	S	NM001	A	A
2015-01-15	20:20 UTC	m	62611	3294.26	NAVD88	1	S	NM001	A	A
2015-01-15	20:20 UTC	m	72019	201.74		1	S	NM001	A	A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Water-level date-time accuracy	m	Date is accurate to the Minute
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	NM001	New Mexico State Engineers Office
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	A	Reported by another government agency (do not use "A" if reported by owner, use "O").
Source of measurement	S	Measured by personnel of reporting agency.

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurem

Q
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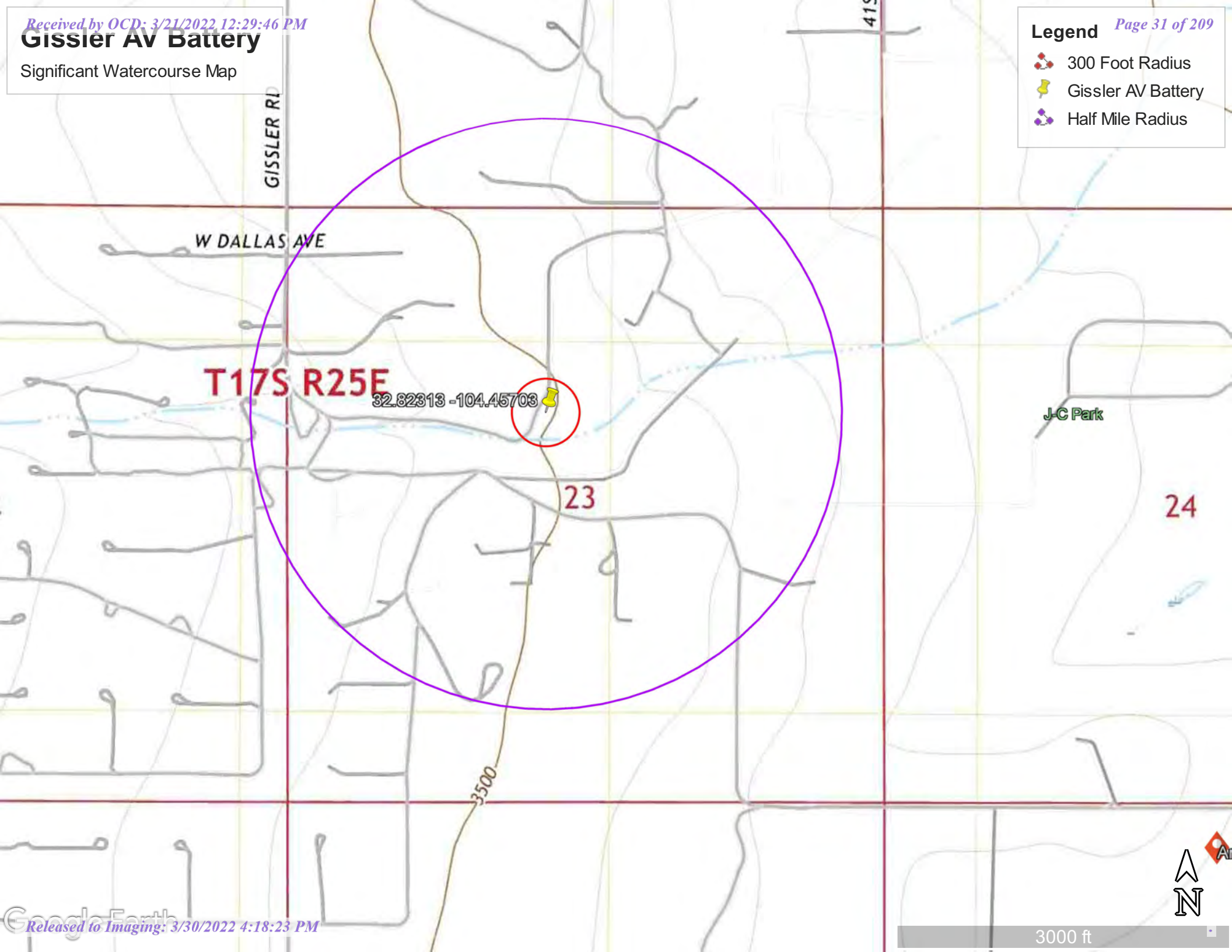
URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team
Page Last Modified: 2022-03-18 14:49:41 EDT
0.33 0.28 nadww01

Gissler AV Battery

Significant Watercourse Map



U.S. Fish and Wildlife Service
National Wetlands Inventory

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

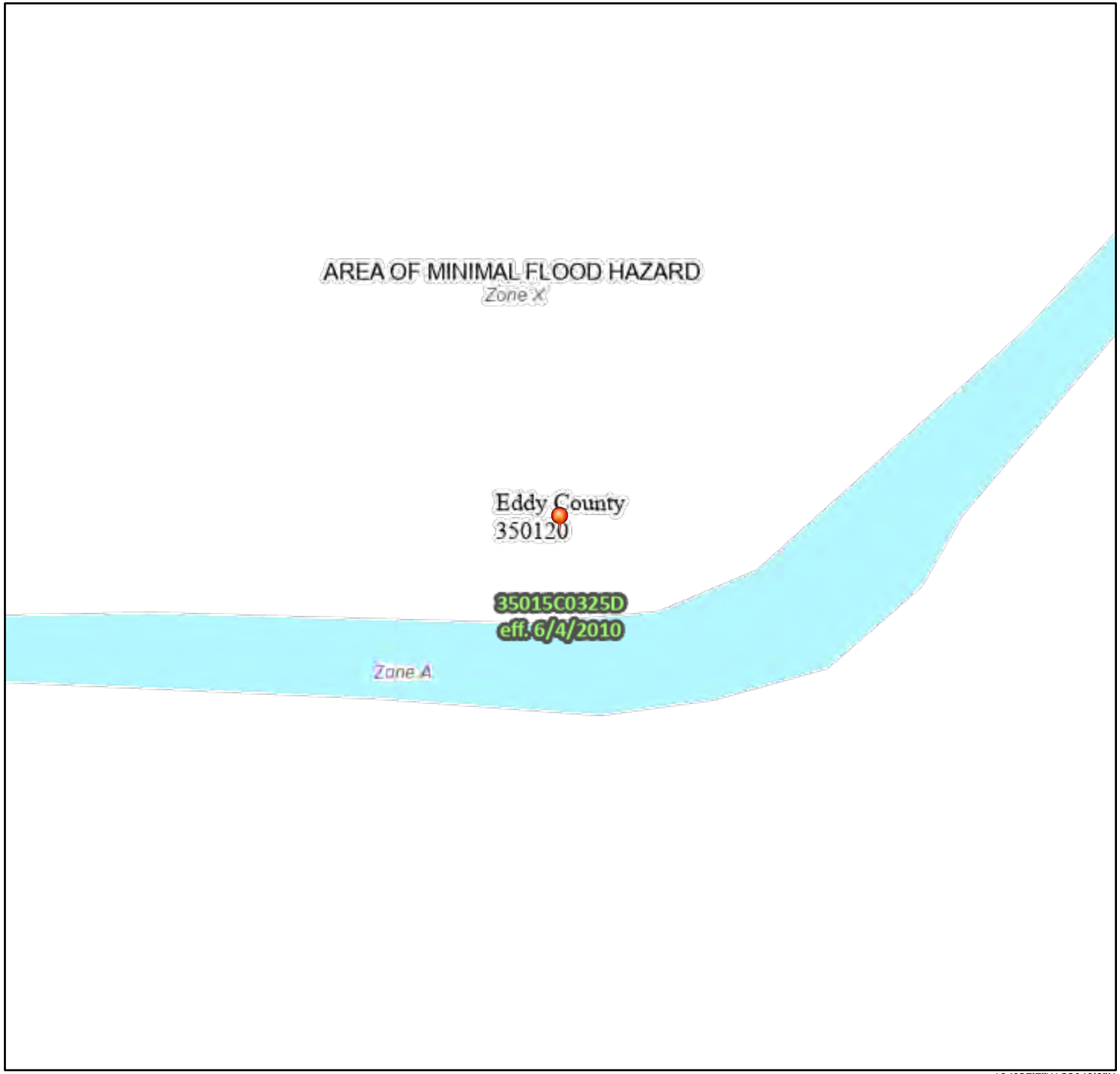
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

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

National Flood Hazard Layer FIRMette

FEMA

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

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

Legend

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

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

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

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

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

N

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 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)

PROJECT NAME: Gissler AV Battery
PROJECT NUMBER: 12563391
CLIENT: EOG Resources
LOCATION: Artesia, New Mexico
DRILLING CONTRACTOR: White Drilling Company, Inc.

HOLE DESIGNATION: SB-1
DATE COMPLETED: January 5, 2022
DRILLING METHOD: Split Spoons/Air Rotary
FIELD PERSONNEL: Z. Comino
DRILLER: B. Adkins

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

NOTES: MEASURING POINT ELEVATIONS MAY CHANGE; REFER TO CURRENT ELEVATION TABLE
CHEMICAL ANALYSIS

File: I:\LOG DATABASE\8-CHAR\12-----\1256-\12563391 GISSLER\12563391-CO.GPJ Library File: GHD_ENVIRO_V06.GLB Report: OVERBURDEN LOG Date: 2/18/22

WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

1. GENERAL AND WELL LOCATION

OSE POD NO. (WELL NO.)	WELL TAG ID NO.	OSE FILE NO(S).
RA-13125 POD 1 (SB-1)		RA-13125

WELL OWNER NAME(S)	PHONE (OPTIONAL)
EOG Resources Inc.	575-703-6537

WELL OWNER MAILING ADDRESS	CITY	STATE	ZIP
105 S. 4th Street	Artesia	NM	88210

WELL LOCATION (FROM GPS)		DEGREES	MINUTES	SECONDS	
	LATITUDE	32	49	22.56	N
	LONGITUDE	104	27	25.40	W

* ACCURACY REQUIRED: ONE TENTH OF A SECOND
* DATUM REQUIRED: WGS 84

DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS – PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE

Gissler Battery

2. DRILLING & CASING INFORMATION

LICENSE NO.	NAME OF LICENSED DRILLER	NAME OF WELL DRILLING COMPANY
WD-1456	John W. White	White Drilling Company, Inc.

DRILLING STARTED	DRILLING ENDED	DEPTH OF COMPLETED WELL (FT)	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT)
1/05/2022	1/05/2022		135.0	DRY

COMPLETED WELL IS: ☐ ARTESIAN ☑ DRY HOLE ☐ SHALLOW (UNCONFINED)

STATIC WATER LEVEL IN COMPLETED WELL (FT): DRY

DRILLING FLUID: ☑ AIR ☐ MUD ADDITIVES – SPECIFY:

DRILLING METHOD: ☑ ROTARY ☐ HAMMER ☐ CABLE TOOL ☐ OTHER – SPECIFY:

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)

3. ANNULAR MATERIAL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT
0.0	135.0	6.0	Type 1 Cement-Bentonite Slurry	26.46	Pump Mix w/Trimie Pipe

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL

DEPTH (feet bgl) FROM	DEPTH (feet bgl) TO	THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES **(attach supplemental sheets to fully describe all units)**	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER-BEARING ZONES (gpm)
0.0	18.0	18.0	Brown clay.	Y ✓ N	
18.0	24.0	6.0	Gravel w/sand.	Y ✓ N	
24.0	30.0	6.0	Brown sand/sand clay.	Y ✓ N	
30.0	50.0	20.0	Brown silty sandy clay w/gravel mixed.	Y ✓ N	
50.0	65.0	15.0	Large gravel.	Y ✓ N	
65.0	85.0	20.0	Light brown sand w/gravel.	Y ✓ N	
85.0	86.0	1.0	Red brown sandy clay.	Y ✓ N	
86.0	89.0	3.0	Red brown sand/sandstone.	Y ✓ N	
89.0	100.0	11.0	Brown sand/sandstone w/gravel.	Y ✓ N	
100.0	105.0	5.0	Sand w/small gravel.	Y ✓ N	
105.0	110.0	5.0	Pea sized gravel.	Y ✓ N	
110.0	117.0	7.0	Gravel up to 1".	Y ✓ N	
117.0	123.0	6.0	Sandstone w/gravel.	Y ✓ N	
123.0	125.0	2.0	Red brown clay.	Y ✓ N	
125.0	131.0	6.0	Brown sand/sandstone.	Y ✓ N	
131.0	135.0	4.0	Gravel w/sand.	Y ✓ N	
				Y N	
				Y N	
				Y N	
				Y N	
				Y N	

METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA:

☐ PUMP ☐ AIR LIFT ☐ BAILER ☐ OTHER – SPECIFY:

TOTAL ESTIMATED WELL YIELD (gpm): 0.00

5. TEST; RIG SUPERVISION

WELL TEST — TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.

MISCELLANEOUS INFORMATION: Hydrocarbon & chlorides present

PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:

William B. Atkins

6. SIGNATURE

BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.

John W. White — SIGNATURE OF DRILLER / PRINT SIGNEE NAME

01/24/2022 — DATE

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/2019)

FILE NO.	POD NO.	TRN NO.	
LOCATION		WELL TAG ID NO.	PAGE 2 OF 2

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	10/5/2021 6:09:08 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
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
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	ND	60		mg/Kg	20	10/5/2021 6:21:34 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
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
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	10/5/2021 6:33:58 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	10/5/2021 6:46:22 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	59		mg/Kg	20	10/5/2021 6:58:47 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	2400	150		mg/Kg	50	10/8/2021 8:20:24 AM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	3000	150		mg/Kg	50	10/8/2021 8:32:49 AM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst:	**JMT**
Chloride	2500	150		mg/Kg	50	10/8/2021 8:45:14 AM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	330	60		mg/Kg	20	10/5/2021 7:48:25 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst:	**VP**
Chloride	360	60		mg/Kg	20	10/5/2021 8:25:40 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**RAA**
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
EPA METHOD 8021B: VOLATILES						Analyst:	**RAA**
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	84	61		mg/Kg	20	10/5/2021 8:38:05 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	89	60		mg/Kg	20	10/5/2021 8:50:30 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	85	60		mg/Kg	20	10/5/2021 9:02:55 PM	63037
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **RAA**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **RAA**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	120	60		mg/Kg	20	10/5/2021 11:57:58 PM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	170	60		mg/Kg	20	10/6/2021 12:35:11 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109H23**

14-Oct-21

Client: GHD Midland

Project: Gissler AV Tank Battery

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

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

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

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
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-63003**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **63003**	RunNo: **81801**
Prep Date: **10/4/2021**	Analysis Date: **10/5/2021**	SeqNo: **2894853** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.5		10.00		84.9	70	130			

Sample ID: **LCS-63003**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **63003**	RunNo: **81801**
Prep Date: **10/4/2021**	Analysis Date: **10/5/2021**	SeqNo: **2894854** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	46	10	50.00	0	92.6	68.9	135			
Surr: DNOP	4.0		5.000		79.4	70	130			

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

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	13		10.00		129	70	130			

Sample ID: **LCS-62999**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **62999**	RunNo: **81862**
Prep Date: **10/4/2021**	Analysis Date: **10/7/2021**	SeqNo: **2897829** Units: **mg/Kg**

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: **2109H23-005AMS**	SampType: **MS**	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: **2897831** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	9.8	49.21	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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2109H23**
14-Oct-21

Client: GHD Midland
Project: Gissler AV Tank Battery

Sample ID: **mb-62981**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **62981**	RunNo: **81772**
Prep Date: **10/1/2021**	Analysis Date: **10/4/2021**	SeqNo: **2891809** 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		96.1	70	130			

Sample ID: **lcs-62981**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62981**	RunNo: **81772**
Prep Date: **10/1/2021**	Analysis Date: **10/4/2021**	SeqNo: **2891811** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	5.0	25.00	0	114	78.6	131			
Surr: BFB	1200		1000		121	70	130			

Sample ID: **2109H23-005AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP2-4**	Batch ID: **62982**	RunNo: **81821**
Prep Date: **10/1/2021**	Analysis Date: **10/5/2021**	SeqNo: **2894407** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.8	23.85	0	94.3	61.3	114			
Surr: BFB	1000		954.2		107	70	130			

Sample ID: **2109H23-005AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **TP2-4**	Batch ID: **62982**	RunNo: **81821**
Prep Date: **10/1/2021**	Analysis Date: **10/5/2021**	SeqNo: **2894408** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	22	4.9	24.51	0	88.1	61.3	114	4.09	20	
Surr: BFB	990		980.4		101	70	130	0	0	

Sample ID: **lcs-62982**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **62982**	RunNo: **81821**
Prep Date: **10/1/2021**	Analysis Date: **10/5/2021**	SeqNo: **2894442** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1000		1000		104	70	130			

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109H23**

14-Oct-21

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: **mb-62981**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **62981**	RunNo: **81772**
Prep Date: **10/1/2021**	Analysis Date: **10/4/2021**	SeqNo: **2891855** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.88		1.000		88.3	70	130			

Sample ID: **lcs-62981**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **62981**	RunNo: **81772**
Prep Date: **10/1/2021**	Analysis Date: **10/4/2021**	SeqNo: **2891857** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	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: **2109H23-006AMS**	SampType: **MS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP3-4**	Batch ID: **62982**	RunNo: **81821**
Prep Date: **10/1/2021**	Analysis Date: **10/5/2021**	SeqNo: **2894510** Units: **mg/Kg**

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: **2109H23-006AMSD**	SampType: **MSD**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP3-4**	Batch ID: **62982**	RunNo: **81821**
Prep Date: **10/1/2021**	Analysis Date: **10/5/2021**	SeqNo: **2894511** Units: **mg/Kg**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2109H23**

14-Oct-21

Client: GHD Midland

Project: Gissler AV Tank Battery

Sample ID: **LCS-62982** SampType: **LCS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **LCSS** Batch ID: **62982** RunNo: **81821**

Prep Date: **10/1/2021** Analysis Date: **10/5/2021** SeqNo: **2894544** Units: **mg/Kg**

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: **mb-62982** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **PBS** Batch ID: **62982** RunNo: **81821**

Prep Date: **10/1/2021** Analysis Date: **10/5/2021** SeqNo: **2894545** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.86		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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD 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

Chain of Custody

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

Log In

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

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

Adjusted? _____

Checked by: 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.8	Good	Not Present			

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

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

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:
☒ Standard ☐ Rush 5-day

Project Name: Gissler AV Tank Battery

Project #: 125633.91

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: (

Cooler Temp(including CF) 0.8-0=0.8

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. 2109H23	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
9/28/21	1230	S	TP1-S	Jar		001	✓	✓									✓
	1240		TP1-2			002											
	1250		TP2-S			003											
	1300		TP2-2			004											
	1310		TP2-4			005											
	1320		TP3-4			006											
	1330		TP3-8			007											
	1335		TP3-12			008											
	1340		TP3-16			009											
	1350		TP3-20			010											
	1410		TP4-2			011											
↓	1420	↓	TP4-4	↓	↓	012	↓	↓								↓	

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/28/21	0800	Zach Comino			9/29/21	800
9/29/21	1900				9/30/21	0740

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

2012

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

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

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush 5-day

Project Name: Gissler AV Tank Battery

Project #: 125C3391

Project Manager: Becky Haskell, Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 0.8-0.8=0.0

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2109H23
9/28/21	1435	S	TP4-8	Jar		013
"	1440	"	TP4-14	"		014
"	1450	"	TP4-20	1		015

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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride 300

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
9/28/21	0800	Zach Comino				
9/29/21	1900				9/29/21	800
					Date	Time
			Received by:	Via:	9/30/21	0740 0730
			CHC COURIER			

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

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: 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 or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	380	60		mg/Kg	20	10/6/2021 12:47:36 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	450	60		mg/Kg	20	10/6/2021 1:00:01 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/6/2021 1:12:25 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	930	60		mg/Kg	20	10/6/2021 1:24:49 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1100	61		mg/Kg	20	10/6/2021 1:37:14 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	640	59		mg/Kg	20	10/6/2021 1:49:39 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	180	60		mg/Kg	20	10/6/2021 2:02:04 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	930	60		mg/Kg	20	10/6/2021 2:14:29 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1200	60		mg/Kg	20	10/6/2021 2:51:42 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	190	60		mg/Kg	20	10/6/2021 3:04:07 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1100	60		mg/Kg	20	10/6/2021 3:16:31 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1300	59		mg/Kg	20	10/6/2021 3:28:56 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1300	60		mg/Kg	20	10/6/2021 3:41:20 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	630	59		mg/Kg	20	10/6/2021 3:53:45 AM	63042
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1800	60		mg/Kg	20	10/6/2021 9:27:40 AM	63068
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1700	60		mg/Kg	20	10/6/2021 10:04:54 AM	63068
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	120	60		mg/Kg	20	10/6/2021 10:42:08 AM	63068
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	2400	60		mg/Kg	20	10/6/2021 10:54:33 AM	63068
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	1900	60		mg/Kg	20	10/6/2021 11:31:48 AM	63068
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	110	60		mg/Kg	20	10/6/2021 11:44:12 AM	63068
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	ND	60		mg/Kg	20	10/6/2021 11:56:36 AM	63068
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **VP**	
Chloride	210	60		mg/Kg	20	10/6/2021 12:09:01 PM	63068
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110009**

14-Oct-21

Client: GHD Midland

Project: Gissler AV Tank Battery

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

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

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

Sample ID: **LCS-63068**	SampType: **LCS**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **LCSS**	Batch ID: **63068**	RunNo: **81844**							
Prep Date: **10/6/2021**	Analysis Date: **10/6/2021**	SeqNo: **2895386**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	96.4	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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2110009**
14-Oct-21

Client: GHD Midland
Project: Gissler AV Tank Battery

Sample ID: **MB-63019**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **63019**	RunNo: **81801**
Prep Date: **10/4/2021**	Analysis Date: **10/5/2021**	SeqNo: **2894811** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		88.7	70	130			

Sample ID: **LCS-63019**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **63019**	RunNo: **81801**
Prep Date: **10/4/2021**	Analysis Date: **10/5/2021**	SeqNo: **2894812** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	88.6	68.9	135			
Surr: DNOP	4.1		5.000		82.9	70	130			

Sample ID: **MB-63051**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **63051**	RunNo: **81900**
Prep Date: **10/5/2021**	Analysis Date: **10/8/2021**	SeqNo: **2898289** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	10		10.00		104	70	130			

Sample ID: **LCS-63051**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **63051**	RunNo: **81900**
Prep Date: **10/5/2021**	Analysis Date: **10/8/2021**	SeqNo: **2898290** Units: **mg/Kg**

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: **2110009-020AMS**	SampType: **MS**	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: **2898292** Units: **mg/Kg**

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2110009**
14-Oct-21

Client: GHD Midland
Project: Gissler AV Tank Battery

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

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

Sample ID: **lcs-63017**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **63017**	RunNo: **81827**							
Prep Date: **10/4/2021**	Analysis Date: **10/6/2021**	SeqNo: **2895597**	Units: **mg/Kg**						
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: **lcs-63023**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**							
Client ID: **LCSS**	Batch ID: **63023**	RunNo: **81827**							
Prep Date: **10/4/2021**	Analysis Date: **10/7/2021**	SeqNo: **2895598**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	26	5.0	25.00	0	104	78.6	131			
Surr: BFB	1100		1000		107	70	130			

Sample ID: **2110009-020ams**	SampType: **MS**	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: **2895600**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	28	4.9	24.63	0	115	61.3	114			S
Surr: BFB	1100		985.2		116	70	130			

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

Qualifiers:

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110009**

14-Oct-21

Client: GHD Midland

Project: Gissler AV Tank Battery

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

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		99.6	70	130			

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

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.93		1.000		92.9	70	130			

Sample ID: **lcs-63017**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **63017**	RunNo: **81827**
Prep Date: **10/4/2021**	Analysis Date: **10/6/2021**	SeqNo: **2895636** Units: **mg/Kg**

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: **lcs-63023**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **63023**	RunNo: **81827**
Prep Date: **10/4/2021**	Analysis Date: **10/7/2021**	SeqNo: **2895637** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.8	80	120			
Toluene	0.94	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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2110009**
14-Oct-21

Client: GHD Midland
Project: Gissler AV Tank Battery

Sample ID: **2110009-001ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP5-2** Batch ID: **63017** RunNo: **81827**
Prep Date: **10/4/2021** Analysis Date: **10/6/2021** SeqNo: **2895638** Units: **mg/Kg**

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: **2110009-021ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP9-6** Batch ID: **63023** RunNo: **81827**
Prep Date: **10/4/2021** Analysis Date: **10/7/2021** SeqNo: **2895639** Units: **mg/Kg**

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: **2110009-001amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP5-2** Batch ID: **63017** RunNo: **81827**
Prep Date: **10/4/2021** Analysis Date: **10/6/2021** SeqNo: **2895642** 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	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: **2110009-021amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **TP9-6** Batch ID: **63023** RunNo: **81827**
Prep Date: **10/4/2021** Analysis Date: **10/7/2021** SeqNo: **2895644** Units: **mg/Kg**

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD 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 S Livingston

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

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

Adjusted? _____

Checked by: 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)

Turn-Around Time:
☒ Standard ☐ Rush 5-day

Project Name: Gissler AV Tank Battery

Project #: 125633391

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1 Sec 1 10/1/21

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

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	Sec 1 10/1/21 HEAL No. ~~2109~~ 2110009	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300	If sample dont have chlorine please
9/29/21	0725	S	TP5-2	Jar		001	X	X								X		
	0740		TP5-8			002												
	0755		TP5-16			003												
	0805		TP5-20			004											20	
	0825		TP6-4			005												
	0830		TP6-8			006												
	0840		TP6-12			007												
	0845		TP6-16			008												
	0850		TP6-18			009												
	0855		TP6-20			010											20	
	0910		TP7-2			011												
↓	0925	↓	TP7-8	↓	↓	012	↓	↓								↓		

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
09302021	0800	Zach Comino			9/30/21	800
9/30/21	1902			Courier	10/1/21	7:38

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

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

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

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____
☐ EDD (Type) _____

Turn-Around Time:
~~☐~~ Standard ☐ Rush 5-day

Project Name: Cissler AV Tank Battery

Project #: 12563391

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino
On Ice: X Yes ☐ No
# of Coolers: 1 SGL 10/1/21
Cooler Temp(including CF): 5.9 - 0.1 = 5.8

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300	If sample chase passes 28 day test
09/29/21	0930	S	TP7-12	Jar		013												
	0935		TP7-14			014												20
	0955		TP8-2			015												
	1000		TP8-6			016												
	1005		TP8-10			017												
	1015		TP8-14			018												
	1020		TP8-16			019												4
	1040		TP9-2			020												
	1045		TP9-6			021												
	1050		TP9-10			022												
	1055		TP9-12			023												6
	1230		TP10-2			024												

Date:	Time:	Relinquished by:	Received by:	Via:	Date Time
09/30/21	0800	Zach Comino			9/30/21 800
9/30/21	1900			courier	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

3 of 3

Chain-of-Custody Record

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☐ Rush 5-day

Project Name: Gissler AV Tank Battery

Project #:

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

\# of Coolers: 3 10/1/21

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300	If sample passes don't test				
092921	1235	S	TP10-6	Jar		025	↓	↓									↓					
↓	1240	↓	TP10-8	↓		026	↓	↓									↓					
↓	1245	↓	TP10-9	↓		027	↓	↓									↓					
↓	1315	↓	TP11-S	↓		028	↓	↓									↓	[illegible]				
↓	1305	↓	TP11-2	↓		029	↓	↓									↓					

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
093021	0800	Zach Comino	[signature]		9/30/21	0800
9/30/21	1900	[signature]	[signature]	courier	10/1/21	7:38

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

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	130	60		mg/Kg	20	10/27/2021 7:08:08 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **2110A69**
Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	410	60		mg/Kg	20	10/27/2021 8:09:55 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/27/2021 8:22:17 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	870	60		mg/Kg	20	10/27/2021 8:34:37 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	790	61		mg/Kg	20	10/27/2021 8:46:59 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **2110A69**
Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1600	60		mg/Kg	20	10/27/2021 8:59:19 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	2600	150		mg/Kg	50	10/28/2021 3:36:07 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **2110A69**
Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

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
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	2700	150		mg/Kg	50	10/28/2021 3:48:31 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	2400	150		mg/Kg	50	10/28/2021 4:00:55 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **2110A69**
Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/27/2021 10:13:30 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **2110A69**
Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/27/2021 10:25:50 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1600	60		mg/Kg	20	10/27/2021 10:38:11 PM	63619
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **NSB**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **NSB**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1000	60		mg/Kg	20	10/27/2021 6:13:37 PM	63622
EPA METHOD 8015D MOD: GASOLINE RANGE						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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8260B: VOLATILES SHORT LIST						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 Quanitative 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:** TP15-10
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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	1600	60		mg/Kg	20	10/27/2021 6:50:49 PM	63622
EPA METHOD 8015D MOD: GASOLINE RANGE						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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8260B: VOLATILES SHORT LIST						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 Quanitative 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: TP15-14
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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	990	59		mg/Kg	20	10/27/2021 7:03:13 PM	63622
EPA METHOD 8015D MOD: GASOLINE RANGE						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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8260B: VOLATILES SHORT LIST						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 Quanitative 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:** TP15-16
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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	440	60		mg/Kg	20	10/27/2021 7:40:26 PM	63622
EPA METHOD 8015D MOD: GASOLINE RANGE						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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8260B: VOLATILES SHORT LIST						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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

Analytical Report
Lab Order **2110A69**
Date Reported: **10/29/2021**

Hall Environmental Analysis Laboratory, Inc.

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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/27/2021 7:52:50 PM	63622
EPA METHOD 8015D MOD: GASOLINE RANGE						Analyst: **RAA**	
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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8260B: VOLATILES SHORT LIST						Analyst: **RAA**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	59		mg/Kg	20	10/27/2021 8:05:15 PM	63622
EPA METHOD 8015D MOD: GASOLINE RANGE						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
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8260B: VOLATILES SHORT LIST						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 Quanitative 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: **MB-63619**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**							
Client ID: **PBS**	Batch ID: **63619**	RunNo: **82410**							
Prep Date: **10/27/2021**	Analysis Date: **10/27/2021**	SeqNo: **2923625**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

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

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

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

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110A69**

29-Oct-21

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **LCS-63522**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **63522**	RunNo: **82295**
Prep Date: **10/25/2021**	Analysis Date: **10/25/2021**	SeqNo: **2919926** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	44	10	50.00	0	87.5	68.9	135			
Surr: DNOP	3.9		5.000		77.9	70	130			

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

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	7.8		10.00		77.5	70	130			

Sample ID: **LCS-63557**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **63557**	RunNo: **82349**
Prep Date: **10/26/2021**	Analysis Date: **10/27/2021**	SeqNo: **2922031** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	53	10	50.00	0	106	68.9	135			
Surr: DNOP	4.3		5.000		86.5	70	130			

Sample ID: **MB-63557**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **63557**	RunNo: **82349**
Prep Date: **10/26/2021**	Analysis Date: **10/27/2021**	SeqNo: **2922032** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		113	70	130			

Sample ID: **2110A69-013AMS**	SampType: **MS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **TP15-6**	Batch ID: **63557**	RunNo: **82349**
Prep Date: **10/26/2021**	Analysis Date: **10/27/2021**	SeqNo: **2923746** Units: **mg/Kg**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110A69**

29-Oct-21

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **2110A69-013AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **TP15-6** Batch ID: **63557** RunNo: **82349**

Prep Date: **10/26/2021** Analysis Date: **10/27/2021** SeqNo: **2923747** Units: **mg/Kg**

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: **MB-63573** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **63573** RunNo: **82349**

Prep Date: **10/26/2021** Analysis Date: **10/28/2021** SeqNo: **2923815** Units: **%Rec**

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110A69**

29-Oct-21

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **mb-63500**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **63500**	RunNo: **82332**
Prep Date: **10/22/2021**	Analysis Date: **10/25/2021**	SeqNo: **2919430** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	ND	5.0								
Surr: BFB	1000		1000		104	70	130			

Sample ID: **lcs-63500**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **63500**	RunNo: **82332**
Prep Date: **10/22/2021**	Analysis Date: **10/25/2021**	SeqNo: **2919431** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	27	5.0	25.00	0	109	78.6	131			
Surr: BFB	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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110A69**

29-Oct-21

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **mb-63500**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **63500**	RunNo: **82332**
Prep Date: **10/22/2021**	Analysis Date: **10/25/2021**	SeqNo: **2919475** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.87		1.000		87.0	70	130			

Sample ID: **LCS-63500**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **63500**	RunNo: **82332**
Prep Date: **10/22/2021**	Analysis Date: **10/25/2021**	SeqNo: **2919476** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.0	0.025	1.000	0	101	80	120			
Toluene	1.0	0.050	1.000	0	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.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110A69**

29-Oct-21

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **mb-63551**	SampType: **MBLK**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **PBS**	Batch ID: **63551**	RunNo: **82380**
Prep Date: **10/25/2021**	Analysis Date: **10/27/2021**	SeqNo: **2922403** 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	0.47		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: **lcs-63551**	SampType: **LCS4**	TestCode: **EPA Method 8260B: Volatiles Short List**
Client ID: **BatchQC**	Batch ID: **63551**	RunNo: **82396**
Prep Date: **10/25/2021**	Analysis Date: **10/27/2021**	SeqNo: **2924153** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.93	0.025	1.000	0	93.0	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.	B	Analyte detected in the associated Method Blank
D	Sample Diluted Due to Matrix	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected below quantitation limits
ND	Not Detected at the Reporting Limit	P	Sample pH Not In Range
PQL	Practical Quanitative Limit	RL	Reporting Limit
S	% Recovery outside of range due to dilution or matrix		

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **GHD Midland** Work Order Number: **2110A69** RcptNo: **1**

Received By: **Cheyenne Cason** **10/22/2021 7:15:00 AM**

Completed By: **Desiree Dominguez** **10/22/2021 8:52:56 AM**

Reviewed By: JR 10/22/21

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
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: 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 °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 5-day

Project Name:

Gissler AU Battery

Project #:

12563391

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See Barcode

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. 2110A69	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
10/20/21	1345	S	TP12-2	Jar		-001											
	1355		TP12-4			-002											
	1405		TP12-6			-003											
	1245		TP13-2			-004											
	1250		TP13-6			-005											
	1300		TP13-10			-006											
	1310		TP13-15			-007											
	1320		TP13-18			-008											
	1330		TP13-20			-009											
	1415		TP14-5			-010											
	1420		TP14-2			-011											
	1420		TP15-2			-012											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/20/21	0800	Zach Comino				
10/21/21	1900			courier	10/21/21	0715

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

0.5-0.2=0.3
0.6-0.2=0.4
2.1-0.2=1.9

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 5-day

Project Name: Gissler AU Battery

Project #: 125C5391

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3

Cooler Temp (including CF): See 1st page

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

2 of 2

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2110A69	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
10/20/21	1440	S	TP15-6	Jar		-013	X	X									X
	1445		TP15-10			-014											
	1450		TP15-14			-015											
	1500		TP15-16			-016											
	1545		TP16-5			-017											
	1555		TP16-2			-018											

Date	Time	Relinquished by	Received by	Via	Date	Time
10/21/21	0800	Zach Comino				
10/21/21	1900				10/21/21	800
			Cec Conn		10/22/21	0815

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

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: 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 or the state specific web sites. In order to properly interpret your results, it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifiers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	10/28/2021 12:54:52 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	73	60		mg/Kg	20	10/28/2021 1:07:16 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	3.0		mg/Kg	1	10/28/2021 1:19:40 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	10/28/2021 1:32:05 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	560	60		mg/Kg	20	10/28/2021 1:44:29 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
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
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	62	60		mg/Kg	20	10/28/2021 2:21:42 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
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
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	ND	60		mg/Kg	20	10/28/2021 2:34:06 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
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
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	120	60		mg/Kg	20	10/28/2021 2:46:30 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
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
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	ND	60		mg/Kg	20	10/28/2021 2:58:54 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **LRN**	
Chloride	77	60		mg/Kg	20	10/28/2021 3:11:19 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst:	**LRN**
Chloride	860	60		mg/Kg	20	10/28/2021 3:23:43 PM	63626
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst:	**SB**
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst:	**mb**
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
EPA METHOD 8021B: VOLATILES						Analyst:	**mb**
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	430	60		mg/Kg	20	10/29/2021 12:55:56 AM	63641
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	210	59		mg/Kg	20	10/29/2021 1:08:21 AM	63641
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	10/29/2021 1:20:46 AM	63641
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **MRA**	
Chloride	ND	60		mg/Kg	20	10/29/2021 1:33:11 AM	63641
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/29/2021 10:27:26 AM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	260	60		mg/Kg	20	10/29/2021 10:39:51 AM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/29/2021 10:52:15 AM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	140	61		mg/Kg	20	10/29/2021 11:04:40 AM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/29/2021 11:17:05 AM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/29/2021 11:54:18 AM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	150	60		mg/Kg	20	10/29/2021 12:06:43 PM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/29/2021 12:19:07 PM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/29/2021 12:31:32 PM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	61		mg/Kg	20	10/29/2021 12:43:56 PM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/29/2021 12:56:20 PM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **CAS**	
Chloride	ND	60		mg/Kg	20	10/29/2021 1:08:45 PM	63648
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **CCM**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **CCM**	
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.

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B21**

02-Nov-21

Client: GHD Midland

Project: Gisslev AV Battery

Sample ID: **MB-63641** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **63641** RunNo: **82423**
Prep Date: **10/28/2021** Analysis Date: **10/28/2021** SeqNo: **2925088** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-63641** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **63641** RunNo: **82423**
Prep Date: **10/28/2021** Analysis Date: **10/28/2021** SeqNo: **2925089** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.8	90	110			

Sample ID: **MB-63626** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **63626** RunNo: **82438**
Prep Date: **10/28/2021** Analysis Date: **10/28/2021** SeqNo: **2925244** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-63626** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **63626** RunNo: **82438**
Prep Date: **10/28/2021** Analysis Date: **10/28/2021** SeqNo: **2925245** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	91.2	90	110			

Sample ID: **MB-63648** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **63648** RunNo: **82473**
Prep Date: **10/29/2021** Analysis Date: **10/29/2021** SeqNo: **2926254** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-63648** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **63648** RunNo: **82473**
Prep Date: **10/29/2021** Analysis Date: **10/29/2021** SeqNo: **2926255** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	90.5	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B21**

02-Nov-21

Client: GHD Midland

Project: Gisslev AV Battery

Sample ID: **LCS-63613** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **63613** RunNo: **82434**

Prep Date: **10/27/2021** Analysis Date: **10/28/2021** SeqNo: **2924945** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	50	10	50.00	0	101	68.9	135			
Surr: DNOP	5.4		5.000		108	70	130			

Sample ID: **MB-63613** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **63613** RunNo: **82434**

Prep Date: **10/27/2021** Analysis Date: **10/28/2021** SeqNo: **2924947** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Sample ID: **2110B21-017AMS** SampType: **MS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **TP24-2** Batch ID: **63614** RunNo: **82441**

Prep Date: **10/27/2021** Analysis Date: **10/29/2021** SeqNo: **2926577** Units: **mg/Kg**

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: **2110B21-017AMSD** SampType: **MSD** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **TP24-2** Batch ID: **63614** RunNo: **82441**

Prep Date: **10/27/2021** Analysis Date: **10/29/2021** SeqNo: **2926578** Units: **mg/Kg**

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: **LCS-63614** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **63614** RunNo: **82441**

Prep Date: **10/27/2021** Analysis Date: **10/29/2021** SeqNo: **2926599** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	52	10	50.00	0	104	68.9	135			
Surr: DNOP	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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B21**
02-Nov-21

Client: GHD Midland
Project: Gisslev AV Battery

Sample ID: **MB-63614** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**
Client ID: **PBS** Batch ID: **63614** RunNo: **82441**
Prep Date: **10/27/2021** Analysis Date: **10/29/2021** SeqNo: **2926600** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
B	Analyte detected in the associated Method Blank
E	Value above quantitation range
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B21**

02-Nov-21

Client: GHD Midland

Project: Gisslev AV Battery

Sample ID: **mb-63569**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **63569**	RunNo: **82404**
Prep Date: **10/26/2021**	Analysis Date: **10/28/2021**	SeqNo: **2924666** 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	950		1000		95.3	70	130			

Sample ID: **mb-63577**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **63577**	RunNo: **82404**
Prep Date: **10/26/2021**	Analysis Date: **10/28/2021**	SeqNo: **2924667** 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	980		1000		97.7	70	130			

Sample ID: **lcs-63577**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **63577**	RunNo: **82404**
Prep Date: **10/26/2021**	Analysis Date: **10/28/2021**	SeqNo: **2924668** 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	78.6	131			
Surr: BFB	1100		1000		111	70	130			

Sample ID: **lcs-63603**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **63603**	RunNo: **82466**
Prep Date: **10/27/2021**	Analysis Date: **10/29/2021**	SeqNo: **2926053** Units: **%Rec**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Surr: BFB	1100		1000		108	70	130			

Sample ID: **mb-63603**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **63603**	RunNo: **82466**
Prep Date: **10/27/2021**	Analysis Date: **10/29/2021**	SeqNo: **2926054** Units: **%Rec**

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2110B21**
02-Nov-21

Client: GHD Midland
Project: Gisslev AV Battery

Sample ID: **mb-63569**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **63569**	RunNo: **82404**
Prep Date: **10/26/2021**	Analysis Date: **10/28/2021**	SeqNo: **2924705** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	1.0		1.000		104	70	130			

Sample ID: **mb-63577**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **63577**	RunNo: **82404**
Prep Date: **10/26/2021**	Analysis Date: **10/28/2021**	SeqNo: **2924706** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.99		1.000		99.0	70	130			

Sample ID: **lcs-63577**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **63577**	RunNo: **82404**
Prep Date: **10/26/2021**	Analysis Date: **10/28/2021**	SeqNo: **2924708** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	0.96	0.025	1.000	0	95.7	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: **lcs-63603**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **63603**	RunNo: **82466**
Prep Date: **10/27/2021**	Analysis Date: **10/29/2021**	SeqNo: **2926074** Units: **%Rec**

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: **mb-63603**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **63603**	RunNo: **82466**
Prep Date: **10/27/2021**	Analysis Date: **10/29/2021**	SeqNo: **2926075** Units: **%Rec**

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

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix
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: **mb-63603** SampType: **MBLK** TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS** Batch ID: **63603** RunNo: **82466**
Prep Date: **10/27/2021** Analysis Date: **10/29/2021** SeqNo: **2926075** Units: **%Rec**

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: GHD Midland | Work Order Number: 2110B21 | RcptNo: 1

Received By: Sean Livingston 10/23/2021 9:15:00 AM Sean Livingston

Completed By: Sean Livingston 10/23/2021 10:17:04 AM Sean Livingston

Reviewed By: SLL 10/23/21

Chain of Custody

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

Log In

3. Was an attempt made to cool the samples? Yes ☑ No ☐ NA ☐
4. Were all samples received at a temperature of >0° C to 6.0°C Yes ☐ No ☑ NA ☐ Samples not frozen.
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: SLL 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 °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	0.6	Good				
2	-1.4	Good				
3	4.9	Good				

Chain-of-Custody Record

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

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

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance
☐ NELAC ☐ Other_____

☐ EDD (Type) _____

Turn-Around Time:
☒ Standard ☐ Rush 5-day

Project Name: Gissler AV Battery

Project #: 125C83391

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See remarks

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2110B21	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
10/21	0740	S	TP17-S	Jar		001	X	X									X
	0745		TP17-2			002											
	0805		TP18-S			003											
	0810		TP18-2			004											
	0820		TP19-2			005											
	0825		TP19-4			006											
	0840		TP20-S			007											
	0845		TP20-2			008											
	0855		TP21-S			009											
	0900		TP21-2			010											
	0910		TP22-2			011											
	0920		TP22-4			012											

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
10/22/21	0800	Zach Comino			10/22/21	800
10/22/21	1900			Courier	10/23/21	9:15

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. Samples not frozen Direct Bill to EOG Chase Settle

0.6 ±0
-1.4 ±0
4.9 ±0

SK 10/23/21

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

2 of 3

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

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

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance ☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush 5-day

Project Name: Gissler AV Battery

Project #: 125653391

Project Manager: Becky Haskell, Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): See remarks

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
10/21/21	0930	S	TP22-6	Jar		013	X	X									X
	0945		TP23-S			014											
	0950		TP23-2			015											
	1005		TP24-S			016											
	1010		TP24-2			017											
	1040		TP25-S			018											
	1045		TP25-2			019											
	1245		TP26-S			020											
	1250		TP26-2			021											
	1305		TP27-S			022											
	1310		TP27-2			023											
	1325		TP28-S			024											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
10/22/21	0800	Zach Comino			10/22/21	800
10/22/21	1900		See courier		10/23/21	9:15

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.

0.6±0 4.9±0 -1.4±0

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 5-day

Project Name: Gissler AV Battery

Project #: 125C53391

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 3

Cooler Temp(including CF): see remarks

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Analysis Request

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300						
102221	1330	S	TP28-2	Jar		025	X	X									X						
"	1345	"	TP29-S	"		026	"	"									"						
"	1350	"	TP29-2	"		027	"	"									"						

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
102221	0800	Zach Comino			10/22/21	800
10/23/21	1900		See courier		10/23/21	7:15

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.

0.6±0 4.9±0

-1.4±0

Direct Bill to EOG Chase Settle

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1400	60		mg/Kg	20	1/10/2022 2:34:07 PM	64937
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	2100	60		mg/Kg	20	1/10/2022 2:46:27 PM	64937
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	2600	150		mg/Kg	50	1/13/2022 12:48:16 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1200	60		mg/Kg	20	1/11/2022 1:05:11 PM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	4000	150		mg/Kg	50	1/13/2022 1:00:41 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						Analyst: **SB**	
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
EPA METHOD 8015D: GASOLINE RANGE						Analyst: **mb**	
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
EPA METHOD 8021B: VOLATILES						Analyst: **mb**	
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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	2600	150		mg/Kg	50	1/13/2022 1:13:05 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	5100	150		mg/Kg	50	1/13/2022 1:25:29 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	5100	300		mg/Kg	100	1/13/2022 1:37:53 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	7700	300		mg/Kg	100	1/13/2022 1:50:18 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	5100	150		mg/Kg	50	1/13/2022 2:02:44 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	3100	150		mg/Kg	50	1/13/2022 2:15:08 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	2300	150		mg/Kg	50	1/13/2022 2:52:24 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	990	60		mg/Kg	20	1/11/2022 3:21:42 PM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	5100	300		mg/Kg	100	1/13/2022 3:04:48 AM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1600	60		mg/Kg	20	1/11/2022 3:46:31 PM	64957
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2201193**

19-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **MB-64937** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **64937** RunNo: **85054**
Prep Date: **1/10/2022** Analysis Date: **1/10/2022** SeqNo: **2992524** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-64937** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **64937** RunNo: **85054**
Prep Date: **1/10/2022** Analysis Date: **1/10/2022** SeqNo: **2992525** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.6	90	110			

Sample ID: **MB-64957** SampType: **mblk** TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS** Batch ID: **64957** RunNo: **85061**
Prep Date: **1/11/2022** Analysis Date: **1/11/2022** SeqNo: **2993781** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-64957** SampType: **lcs** TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS** Batch ID: **64957** RunNo: **85061**
Prep Date: **1/11/2022** Analysis Date: **1/11/2022** SeqNo: **2993782** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.2	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2201193**

19-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **MB-64887**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **64887**	RunNo: **85007**							
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991255**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.6		10.00		86.5	70	130			

Sample ID: **MB-64887**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **64887**	RunNo: **85008**							
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991261**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	70	130			

Sample ID: **LCS-64887**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **64887**	RunNo: **85006**							
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991977**	Units: **mg/Kg**						
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: **MB-64887**	SampType: **MBLK**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **PBS**	Batch ID: **64887**	RunNo: **85006**							
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991979**	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	9.1		10.00		90.7	70	130			

Sample ID: **LCS-64901**	SampType: **LCS**	TestCode: **EPA Method 8015M/D: Diesel Range Organics**							
Client ID: **LCSS**	Batch ID: **64901**	RunNo: **85066**							
Prep Date: **1/7/2022**	Analysis Date: **1/11/2022**	SeqNo: **2992973**	Units: **mg/Kg**						
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	43	10	50.00	0	85.5	68.9	135			
Surr: DNOP	4.3		5.000		85.2	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2201193**

19-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **mb-64900**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64900**	RunNo: **85031**
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991678** 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	900		1000		89.8	70	130			

Sample ID: **mb-64897**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64897**	RunNo: **85031**
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991679** 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	860		1000		86.3	70	130			

Sample ID: **lcs-64900**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **64900**	RunNo: **85031**
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991680** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Gasoline Range Organics (GRO)	25	5.0	25.00	0	101	78.6	131			
Surr: BFB	1000		1000		104	70	130			

Sample ID: **lcs-64897**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **64897**	RunNo: **85031**
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991681** 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	102	78.6	131			
Surr: BFB	1000		1000		103	70	130			

Sample ID: **2201193-010ams**	SampType: **MS**	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: **2991683** Units: **mg/Kg**

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: **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

Qualifiers:

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

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

QC SUMMARY REPORT
Hall Environmental Analysis Laboratory, Inc.

WO#: **2201193**
19-Jan-22

Client: GHD Midland
Project: Gissler AV Battery

Sample ID: **lcs-64900**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64900**	RunNo: **85031**
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991612** Units: **mg/Kg**

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: **lcs-64897**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64897**	RunNo: **85031**
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991613** Units: **mg/Kg**

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: **mb-64900**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64900**	RunNo: **85031**
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991712** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.85		1.000		85.2	70	130			

Sample ID: **mb-64897**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64897**	RunNo: **85031**
Prep Date: **1/6/2022**	Analysis Date: **1/7/2022**	SeqNo: **2991713** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.79		1.000		78.6	70	130			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2201193**

19-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **2201193-011ams** SampType: **MS** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **SB-1-60** Batch ID: **64897** RunNo: **85031**

Prep Date: **1/6/2022** Analysis Date: **1/7/2022** SeqNo: **2991715** Units: **mg/Kg**

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: **2201193-011amsd** SampType: **MSD** TestCode: **EPA Method 8021B: Volatiles**

Client ID: **SB-1-60** Batch ID: **64897** RunNo: **85031**

Prep Date: **1/6/2022** Analysis Date: **1/7/2022** SeqNo: **2991717** Units: **mg/Kg**

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

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

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

Adjusted?

Checked by: JR 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 5-day

Project Name: Gissler AV Battery

Project #: 12563391

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 5.0-0.2=4.8

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. 2201193	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride, Method 300
010422	1100	S	SB-1-5	Jar		001	X	X									X
	1105		SB-1-10			002											
	1110		SB-1-15			003											
	1120		SB-1-20			004											
	1125		SB-1-25			005											
	1140		SB-1-30			006											
	1145		SB-1-35			007											
	1155		SB-1-40			008											
	1200		SB-1-45			009											
	1215		SB-1-50			010											
	1230		SB-1-60			011											
	1240		SB-1-70			012											

Date:	Time:	Relinquished by:	Received by:	Via:	Date	Time
1/5/22	0800	Zach Comino			1/5/22	800
Date:	Time:	Relinquished by:	Received by:	Via: courier	Date	Time
1/5/22	1900				1/6/22	8:00

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

2 of 2

Client: GHD

Mailing Address:

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

Phone #: (505)377-4218

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

QA/QC Package:

☐ Standard ☐ Level 4 (Full Validation)

Accreditation: ☐ Az Compliance

☐ NELAC ☐ Other

☐ EDD (Type)

Turn-Around Time:

☑ Standard ☒ Rush 5-day

Project Name: Gissler AU Battery

Project #: 1256391

Project Manager:

Becky Haskell

Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 5.0 - 0.2 = 4.8

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

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

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No.	BTEX / MTBE / TMB's (8021)	TPH:8015D(GRO / DRO / MRO)	8081 Pesticides/8082 PCB's	EDB (Method 504.1)	PAHs by 8310 or 8270SIMS	RCRA 8 Metals	Cl, F, Br, NO_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride Method 300
01/04/22	1300	S	SB-1-80	Jar		013	X	X									X
	1310		SB-1-90			014											
	1315		SB-1-100			015											X

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

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
1/5/22	0800	Zach Comino				
1/5/22	1900				1/6/22	8:00

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

January 13, 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.

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

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

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

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Analytical Report
Lab Order **2201270**
Date Reported: **1/13/2022**

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	1000	60		mg/Kg	20	1/11/2022 9:32:59 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **2201270**
Date Reported: **1/13/2022**

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	530	60		mg/Kg	20	1/11/2022 9:45:20 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

Analytical Report
Lab Order **2201270**
Date Reported: **1/13/2022**

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
EPA METHOD 300.0: ANIONS						Analyst: **JMT**	
Chloride	840	60		mg/Kg	20	1/11/2022 9:57:41 PM	64966
EPA METHOD 8015M/D: DIESEL RANGE ORGANICS						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
EPA METHOD 8015D: GASOLINE RANGE						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
EPA METHOD 8021B: VOLATILES						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.

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2201270**

13-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **MB-64966**	SampType: **mblk**	TestCode: **EPA Method 300.0: Anions**
Client ID: **PBS**	Batch ID: **64966**	RunNo: **85087**
Prep Date: **1/11/2022**	Analysis Date: **1/11/2022**	SeqNo: **2993902** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	ND	1.5								

Sample ID: **LCS-64966**	SampType: **lcs**	TestCode: **EPA Method 300.0: Anions**
Client ID: **LCSS**	Batch ID: **64966**	RunNo: **85087**
Prep Date: **1/11/2022**	Analysis Date: **1/11/2022**	SeqNo: **2993903** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Chloride	14	1.5	15.00	0	92.8	90	110			

Qualifiers:

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

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2201270**

13-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **LCS-64929** SampType: **LCS** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **LCSS** Batch ID: **64929** RunNo: **85117**

Prep Date: **1/10/2022** Analysis Date: **1/12/2022** SeqNo: **2994803** 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	80.9	68.9	135			
Surr: DNOP	3.7		5.000		73.7	70	130			

Sample ID: **MB-64929** SampType: **MBLK** TestCode: **EPA Method 8015M/D: Diesel Range Organics**

Client ID: **PBS** Batch ID: **64929** RunNo: **85117**

Prep Date: **1/10/2022** Analysis Date: **1/12/2022** SeqNo: **2994804** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	8.9		10.00		89.5	70	130			

Qualifiers:

*	Value exceeds Maximum Contaminant Level.
D	Sample Diluted Due to Matrix
H	Holding times for preparation or analysis exceeded
ND	Not Detected at the Reporting Limit
PQL	Practical Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte 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#: **2201270**

13-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **mb-64917**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **PBS**	Batch ID: **64917**	RunNo: **85038**
Prep Date: **1/7/2022**	Analysis Date: **1/10/2022**	SeqNo: **2992378** 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	850		1000		85.5	70	130			

Sample ID: **lcs-64917**	SampType: **LCS**	TestCode: **EPA Method 8015D: Gasoline Range**
Client ID: **LCSS**	Batch ID: **64917**	RunNo: **85038**
Prep Date: **1/7/2022**	Analysis Date: **1/10/2022**	SeqNo: **2992379** 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	91.6	78.6	131			
Surr: BFB	1000		1000		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 Quanitative Limit
S	% Recovery outside of range due to dilution or matrix interference
B	Analyte detected in the associated Method Blank
E	Estimated value
J	Analyte detected below quantitation limits
P	Sample pH Not In Range
RL	Reporting Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **2201270**

13-Jan-22

Client: GHD Midland

Project: Gissler AV Battery

Sample ID: **mb-64917**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **64917**	RunNo: **85038**
Prep Date: **1/7/2022**	Analysis Date: **1/10/2022**	SeqNo: **2992408** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.025								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.84		1.000		83.7	70	130			

Sample ID: **lcs-64917**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **64917**	RunNo: **85038**
Prep Date: **1/7/2022**	Analysis Date: **1/10/2022**	SeqNo: **2992409** Units: **mg/Kg**

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			

Qualifiers:

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

HALL ENVIRONMENTAL ANALYSIS LABORATORY

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

Sample Log-In Check List

Client Name: **GHD 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: jm 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° C to 6.0°C	Yes ☑	No ☐	NA ☐
5. Sample(s) in proper container(s)?	Yes ☑	No ☐	
6. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
7. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
8. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
9. Received at least 1 vial with headspace <1/4" for AQ VOA?	Yes ☐	No ☐	NA ☑
10. Were any sample containers received broken?	Yes ☐	No ☑	
11. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	
12. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	
13. Is it clear what analyses were requested?	Yes ☑	No ☐	
14. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	

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

Adjusted?

Checked by: CM 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				

Chain-of-Custody Record

Client: GHD

Mailing Address: 324 W. Main St. Suite 108, Artesia NM 88210

Phone #: (505)377-4218

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

QA/QC Package:
☐ Standard ☐ Level 4 (Full Validation)

Accreditation:
☐ Az Compliance
☐ NELAC ☐ Other
☐ EDD (Type)

Turn-Around Time:
☐ Standard ☒ Rush 5-day

Project Name: Gissler AU Battery

Project #: 12563391

Project Manager:
Becky Haskell
Tom Larson

Sampler: Zach Comino

On Ice: X Yes ☐ No

# of Coolers: 1

Cooler Temp(including CF): 3.9-0.1=3.8

DAO 1/7/22

Date	Time	Matrix	Sample Name	Container Type and #	Preservative Type	HEAL No. 2201267 70
01052	1025	S	SB-1-110	Jar		-001
	1025		SB-1-120			-002
	1030		SB-1-125			-003
	1035		SB-1-130			-004
	1040		SB-1-135			-005
↓	1115	↓	SB-1-137	↓		-006

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_3, NO_2, PO_4, SO_4	8260 (VOA)	8270 (Semi-VOA)	Total Coliform (Present/Absent)	Chloride 300
X	X								X	
↓	↓								↓	

Hold sample if previous sample is less than 600 ct + less than 100 total TPH

Date	Time	Relinquished by:	Received by:	Via:	Date	Time
01062	0800	Zach Comino	ACummings		1/6/22	800
1/6/22	1900	ACummings	Chc	courier	1/7/22	0800

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.

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

Operator: EOG RESOURCES INC P.O. Box 2267 Midland, TX 79702	OGRID: 7377
	Action Number: 91612
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Remediation Plan Approved. Variance for alternative sampling is approved as follows: Composite confirmation samples should be collected from the bottom of the excavation from areas representing no more than FOUR hundred (400) square feet. Composite confirmation samples should be collected from the sidewalls of the excavation from areas representing no more than two hundred (200) square feet.	3/30/2022